

**ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY, KASHMIR**



# **SYLLABUS**

## **FOR**

### **BASIC B.SC NURSING**

**ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY**  
**AWANTIPORA, PULWAMA, J&K, 192122**



## **Philosophy**

Nursing is an art and a science: the embodiment of caring. It consists of a unique, integrated body of knowledge and requires critical thinking, decision making and problem solving skills.

Nursing addresses holistic human response to varied levels of health in a variety of settings, and is concerned with illness prevention, health promotion and health maintenance.

Health is a dynamic state influenced by heredity, the environment and the individual's lifestyle. The state of health is reflected within an individual's physical, psychological, spiritual, development and socio-cultural dimensions. Individual, families and communities differ in how health is perceived and valued, and have the right to define their own health. The pursuit of health is the right and responsibility of each individual.

Learning is a life- long, interactive process that builds on previous experience and ideally results in change in attitudes, beliefs and /or behaviours.

Professional nursing education is built on an integrated study of the natural sciences, social sciences and humanities in order to promote critical thinking, caring, respect and concern for individuals, families, communities and societies.

The faculty is responsible as role models, mentors and teachers for providing a caring environment in which students are free to explore and develop personally, professionally and intellectually. The college provides a full range of nursing activities within the multiple contexts of legal and ethical boundaries, political and economic forces, socio-cultural influences, and spiritual and historical factors.

## **VISION:**

To educate Nurses in an inter-professional environment to change lives, and provide proactive leadership to improve health outcomes, eliminate health disparities and uplift the nursing profession.

## **MISSION:**

- Providing evidenced based nursing education.
- Developing, testing, and disseminating nursing knowledge.
- Demonstrating excellence in nursing practice.
- Sharing expertise and leadership through service to professional organizations and communities
- Promoting inter-professional team work competencies in collaborative education, practice and research.
- Providing an environment for nursing profession that is accountable, respectful, adaptive, and innovative.

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## **AIMS AND OBJECTIVES:**

Nursing Colleges of Islamic University of Science and Technology, Awantipora followed Indian Nursing Council syllabus.

## **AIM:**

The aim of the B.Sc Nursing programme is to:

- ❖ Prepare responsible professional competent nurses and midwives to provide promoting preventive, curative and rehabilitative services to all citizens.
- ❖ Prepare nurses who can identify nursing needs, plan and provide standard nursing care in all health care settings across their life span.
- ❖ Prepare nurses to conduct research studies about nursing, assume role of teacher, supervisor and administrator in a clinical and public health setting.

## **OBJECTIVES:**

On completion of B.Sc nursing 4 years programme the graduates will be able to:

- ❖ Apply knowledge gained in providing nursing care to individuals, families and communities.
- ❖ Provide systematic nursing care based on scientific knowledge.
- ❖ Demonstrate proficient skill in decision making in all situations to provide standard nursing care.
- ❖ Utilize latest technology and trends in providing nursing care.
- ❖ Provide Promotive, preventive and restorative health services in line with the National health policies and programmes.
- ❖ Practice the professional skills within the framework of code of ethics and professional conduct within the standards of nursing.
- ❖ Communicate effectively with individuals and groups and other members of the health team to develop effective interpersonal relationships and team work.
- ❖ Gain skills in health teaching to individuals and groups in clinical/Community health settings.
- ❖ Participate effectively as members of the health care delivery system.
- ❖ Demonstrate leadership and managerial skills in clinical/community health settings.
- ❖ Learn to conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
- ❖ Develop awareness, interest and contribute towards advancement of self and of the profession.

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## Duration

<b>Course Duration</b>	<b>4 years</b>
<b>Weeks available per year</b>	<b>52 weeks</b>
<b>Vacation</b>	<b>8 weeks</b>
<b>Gazetted holidays</b>	<b>3 weeks</b>
<b>Examination (including preparatory)</b>	<b>4 weeks</b>
<b>Available weeks</b>	<b>37 weeks</b>
<b>Hours per week</b>	<b>40 hours</b>
<b>Practical</b>	<b>36 hours per week</b>
<b>Theory</b>	<b>40 hours per week</b>
<b>Hours available per academic year</b>	<b>1480 (37wks×40hrs)×3=4440hrs</b>
<b>Hours available for 4<sup>th</sup> year</b>	<b>560 hrs (14weeks×40 hrs)</b>
<b>Hours available for Internship</b>	<b>1690 hours (48 hours per week)</b>
<b>Total hours for 4 years</b>	<b>6130 hours</b>

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**Course Catalogue of Basic B.Sc Nursing Programme**

S.No.	Course Code	Subject Title	Core/Optional	Theory		Practical	
				Internal	External	Internal	External
<b>1<sup>st</sup> Year</b>							
1.	NURS-101	English	Core	25	75		
2.	NURS-102	Anatomy & Physiology	Core	25	75		
3.	NURS-103	Nutrition & Biochemistry	Core	25	75		
4.	NURS-104	Nursing Foundations	Core	25	75	100	100
5.	NURS-105	Psychology	Core	25	75		
6.	NURS-106	Microbiology	Core	25	75		
7.	NURS-107	Introduction to computers	Core	25	75		
<b>2<sup>nd</sup> Year</b>							
1.	NURS-201	Sociology	Core	25	75		
2.	NURS-202	Pharmacology, Pathology & Genetics	Core	25	75		
5.	NURS-203	Medical-Surgical Nursing (Adult including Geriatrics)-I	Core	25	75	100	100
6.	NURS-204	Community Health Nursing-I	Core	25	75		
7.	NURS-205	Communication & Education Technology	Core	25	75		
<b>3<sup>rd</sup> Year</b>							
1.	NURS-301	Medical-Surgical Nursing (Adult including Geriatrics)-II	Core	25	75	50	50
2.	NURS-302	Child Health Nursing	Core	25	75	50	50
3.	NURS-303	Mental Health Nursing	Core	25	75	50	50
4.	NURS-304	Nursing Research & Statistics	Core	25	75		
<b>4<sup>th</sup> Year</b>							
1.	NURS-401	Midwifery & Obstetrical Nursing	Core	25	75	100	100
2.	NURS-402	Community Health	Core	25	75	100	100

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		Nursing-II					
3.	NURS-403	Management of Nursing Services & Education	Core	25	75		

**Course of Instruction:**

**First Year:**

SUBJECT	Theory (In hrs) (Class and lab)	Practical( In hrs) (clinical)	(In hours)	BOS Recommendation
1. English	60			No change
2. Anatomy	60			
3. Physiology	60			
4. Nutrition	60			
5. Biochemistry	30			
6. Nursing Foundations	256+200	450		
7. Psychology	60			
8. Microbiology	60			
9. Introduction to computers	45			
10. *Hindi/ Regional Language	30		50	
11. Library work/ self study			50	
12. Co-curricular activities			100	
<b>Total Hours</b>	921	450	200	
<b>New Total Hours = 1571hrs</b>				

**\* Optional**

**Second Year:**

SUBJECT	Theory (In hrs ) (Class and lab)	Practical ( In hrs) (clinical)	(In hours)	BOS Recommendation
1. Sociology	60			No change
2. Pharmacology	45			
3. Pathology &	30			
4. Genetics	15			
5. Medical-Surgical Nursing (Adult including Geriatrics)-I	210	720		
6. Community Health Nursing-I	90	135		
7. Communication & Education Technology	60+30			

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8. Library work/ self study	50			
9. Co-curricular activities	35			
<b>Total Hours</b>	<b>625</b>	<b>855</b>		
<b>New Total Hours = 1480hrs</b>				

**Third Year:**

SUBJECT	THEORY (In hrs ) (Class and lab)	Practical ( In hrs ) (clinical)	(In hours)	BOS Recommendation
1. Medical-Surgical Nursing (Adult including Geriatrics)-II	120	270		No Change
2. Child Health Nursing	90	270		
3. Mental Health Nursing	90	270		
4. Nursing Research & Statistics	45 (30+15)			
5. Library work/ self study			50	
6. Co-curricular activities			50	
<b>Total Hours</b>	<b>345</b>	<b>810</b>	<b>100</b>	
<b>Total Hours = 1255hrs</b>				

**Fourth Year:**

SUBJECT	Theory (In hrs ) (Class and lab)	Practical ( In hrs ) (clinical)	(In hours)	BOS Recommendation
1. Midwifery & Obstetrical Nursing	90	<b>180</b>		No Change
2. Community Health Nursing-II	90	135		
3. Management of Nursing Services & Education	60+30			
<b>Total Hours</b>	<b>270</b>	<b>315</b>		
<b>Total Hours = 585hrs</b>				

- Project Work to be carried out during internship



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**Internship (Integrated Practice)**

**Practical= 48 hrs per week**

<b>SUBJECT</b>	<b>Theory</b>	<b>Practical( In hrs)</b>	<b>(In Weeks)</b>	<b>BOS Recommendation</b>
1. Midwifery & Obstetrical Nursing		240	5	No change
2. Community Health Nursing		195	4	
3. Medical-Surgical Nursing (Adult & Geriatrics)		430	9	
4. Child Health Nursing		145	3	
5. Mental Health Nursing		95	2	
6. Research Project		45	1	
<b>Total Hours</b>		<b>1150</b>	<b>24</b>	
<b>Total Hours = 1150hrs</b>				

**Note:-**

1. Internship will be of six months (24 weeks) duration which will be carried out during the last six months of 4<sup>th</sup> Year.
2. Internship shall include 8 hours per day of training @ 48 hours per week as per programme schedule.
3. Students during internship will be supervised by Nursing Teachers.
4. Fourth year final examination to be held only after completing internship.

**Subject Title: English**

**Course Code: NURS-101**

**Placement – First Year**

**Time: Theory – 60 hours**

**Course Description:** The Course is designed to enable students to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experience.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Activities</b>	<b>Learning</b>	<b>Assessment Methods</b>
I	10	Speak and write grammatically correct English	<ul style="list-style-type: none"> <li>➤ Review of Grammar</li> <li>➤ Remedial study of Grammar</li> <li>➤ Building Vocabulary</li> <li>➤ Phonetics</li> <li>➤ Public Speaking</li> </ul>	<ul style="list-style-type: none"> <li>➤ Demonstrate use of dictionary</li> <li>➤ Class room conversion</li> <li>➤ Exercise on use of grammar</li> <li>➤ Practice in public speaking</li> </ul>		<ul style="list-style-type: none"> <li>➤ Essay type</li> <li>➤ Objective type</li> <li>➤ Fill in the blanks</li> <li>➤ Para phrasing</li> </ul>
II	30	Develop ability to read, understand and express meaningfully the prescribed text	Read and comprehend prescribed course books	Exercise on : <ul style="list-style-type: none"> <li>➤ Reading</li> <li>➤ Summarizing</li> <li>➤ Comprehension</li> </ul>		<ul style="list-style-type: none"> <li>➤ Essay type</li> <li>➤ Short Answers</li> <li>➤ Essay Types</li> </ul>
III	10	Develop writing skills	Various forms of Composition. <ul style="list-style-type: none"> <li>➤ Letter writing</li> <li>➤ Note taking</li> <li>➤ Precise writing</li> <li>➤ Nurses notes</li> <li>➤ Anecdotal records</li> <li>➤ Diary writing</li> <li>➤ Reports on health problems etc.</li> <li>➤ Resume/CV</li> </ul>	Exercises on writing <ul style="list-style-type: none"> <li>➤ Letter writing</li> <li>➤ Nurses Notes</li> <li>➤ Precise</li> <li>➤ Diary</li> <li>➤ Anecdote</li> <li>➤ Health problem</li> <li>➤ Story writing</li> <li>➤ Resume/CV</li> <li>➤ Essay Writing</li> <li>➤ Discussion on written reports/documents</li> </ul>		<ul style="list-style-type: none"> <li>➤ Essay type</li> <li>➤ Assessment of the skills based on the check list.</li> </ul>
IV	6	Develop skill in spoken English	<b>Spoken English</b> <ul style="list-style-type: none"> <li>➤ Oral report</li> <li>➤ Discussion</li> </ul>	Exercise on: <ul style="list-style-type: none"> <li>➤ Debating</li> <li>➤ Participating in</li> </ul>		Assessment of the skills based

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			<ul style="list-style-type: none"> <li>➤ Debate</li> <li>➤ Telephonic</li> <li>➤ Conversation</li> </ul>	Seminar, panel, symposium ➤ Telephonic Conversation	on the check list.
V	4	Develop skill in listening comprehension	<b>Learning Comprehension</b> <ul style="list-style-type: none"> <li>➤ Media, audio, video, speeches etc</li> </ul>	Exercise on: <ul style="list-style-type: none"> <li>➤ Listening to audio, video tapes and identify the key points</li> </ul>	Assessment of the skills based on the check list.

**Suggested Readings:**

1. J sarumathi. "English for Nursing" 2<sup>nd</sup> edition , JAYPEE publication;2011
2. Mallika Ballu. "English for Nurses" 1<sup>st</sup> edition, JAYPEE publication;2011
3. Anujeet. "Radical English for Nurses" 2<sup>nd</sup> edition ,JAYPEE publication; 2015
4. Prem Kumar "English for Nursing Students"1<sup>st</sup> edition , JAYPEE publication; 2010

**Subject Title: Anatomy**

**Course Code: NURS-102**

**Placement – First year**

**Time: Theory – 60 hours**

**Course Description:** The course is designed to enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and practice of nursing.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activities</b>	<b>Assessment Methods</b>
I	5	Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands.	<b>Introduction to Anatomical terms organization of the human body</b> <ul style="list-style-type: none"> <li>➤ Human Cell structure</li> <li>➤ Tissues – Definition, Types, characteristics, classification, location, functions &amp; formation.</li> <li>➤ Membranes and glands – classification and structure</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using charts, microscopic slides, Skeleton &amp; torso</li> <li>• Demonstrate cells, types of tissues membranes and glands</li> <li>• Record book</li> </ul>	Short answer Questions  Objective type
II	6	Describe the structure & function of bones and joints	<b>The Skeletal System</b> <ul style="list-style-type: none"> <li>➤ Bones – types, structure, Axial &amp; Appendicular Skeleton,</li> <li>➤ Bone formation and growth</li> <li>➤ Description of bones</li> <li>➤ Joints classification and structure</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using charts, skeleton, loose bones and joints</li> <li>• Record book</li> </ul>	Short answer Questions  Objective type
III	7	Describe the	<b>The Muscular System</b> <ul style="list-style-type: none"> <li>➤ Types and structure of</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using</li> </ul>	Short answer Questions

		structure and function of muscles	<p>muscles</p> <ul style="list-style-type: none"> <li>➤ Muscle groups</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing</li> </ul>	<p>chart, models and films</p> <ul style="list-style-type: none"> <li>• Demonstrate muscular movements</li> <li>• Record book</li> </ul>	Objective type
IV	6	Describe the structure & function of nervous system	<p><b>The nervous System</b></p> <ul style="list-style-type: none"> <li>➤ Structure of neurologia &amp; neurons</li> <li>➤ Somatic Nervous system</li> <li>➤ Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves</li> <li>➤ Autonomic Nervous System                             <ul style="list-style-type: none"> <li>▪ Sympathetic, parasympathetic</li> <li>▪ Structure, location</li> </ul> </li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, charts, slides, specimens</li> <li>• Record book</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
V	6	Explain the structure & functions of sensory organs	<p><b>The Sensory Organs</b></p> <ul style="list-style-type: none"> <li>➤ Structure of skin, eye, ear, nose tongue, (Auditory and olfactory apparatus)</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, charts, slides, specimens</li> <li>• Record book</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
VI	7	Describe the structure & function of circulatory and lymphatic system	<p><b>Circulatory and lymphatic system</b></p> <ul style="list-style-type: none"> <li>➤ The Circulatory System                             <ul style="list-style-type: none"> <li>▪ Blood – Microsoft structure</li> <li>▪ Structure of Heart</li> <li>▪ Structure of blood vessels- Arterial &amp; Venous System</li> <li>▪ Circulation: Systemic, pulmonary, coronary</li> </ul> </li> <li>➤ Lymphatic System</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, charts, slides, specimens</li> <li>• Record book</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

			<ul style="list-style-type: none"> <li>▪ Lymphatic vessels &amp; lymph</li> <li>▪ Lymphatic tissues                             <ul style="list-style-type: none"> <li>- Thymus gland</li> <li>- Lymph nodes</li> <li>- Spleen</li> <li>- Lymphatic tissues</li> </ul> </li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>		
VII	5	Describe the structure & functions of respiratory system.	<b>The Respiratory System</b> <ul style="list-style-type: none"> <li>➤ Structure of the organs of respiration</li> <li>➤ Muscles of respiration: Intercostals and Diaphragm</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, torso, charts slides, specimens</li> <li>• Record book</li> </ul>	Short answer Questions  Objective type
VIII	6	Describe the structure & functions of digestive system.	<b>The Digestive System</b> <ul style="list-style-type: none"> <li>➤ Structure of Alimentary tract and accessory organs of digestion</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, torso, charts slides, specimens</li> <li>• Record book</li> </ul>	Short answer Questions  Objective type
IX	4	Describe the structure & functions of excretory system	<b>The Excretory system (Urinary)</b> <ul style="list-style-type: none"> <li>➤ Structure of organs of urinary</li> <li>➤ System: Kidney, Ureters, urinary, bladder, urethra, structure of skin</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, torso, charts slides, specimens</li> <li>• Record book</li> </ul>	Short answer Questions  Objective type
X	4	Describe the structure & functions of endocrine	<b>The Endocrine system</b> <ul style="list-style-type: none"> <li>➤ Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands</li> <li>➤ Alterations in disease</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, torso, charts slides, specimens</li> </ul>	Short answer Questions  Objective type

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		system	➤ Applications and implications in nursing	• Record book	
XI	4	Describe the structure & functions of reproductive system	<b>The Reproductive system including breast</b> <ul style="list-style-type: none"> <li>➤ Structure of female reproductive organs</li> <li>➤ Structure of male reproductive organs</li> <li>➤ Structure of breast</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using models, torso, charts slides, specimens</li> <li>• Record book</li> </ul>	Short answer Questions  Objective type

**Subject Title: Physiology**

**Course Code: NURS-102**

**Placement – First Year**

**Time: Theory – 60 Hours**

**Course Description:** The Course is designed to assist the students to acquire knowledge if the normal physiology of various human body systems and understand the alterations in physiology in diseases and practice of nursing.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	4	Describe the physiology of cell, tissues, membranes and glands	<b>Cell Physiology</b> <ul style="list-style-type: none"> <li>➤ Tissue formation, repair</li> <li>➤ Membranes &amp; glands – functions</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing</li> </ul>	Lecture discussion	Short answer Questions  Objective type
II	4	Describe the bone formation and growth and movements of skeleton system	<b>Skeletal System</b> <ul style="list-style-type: none"> <li>➤ Bone formation &amp; growth</li> <li>➤ Bones – Functions and movements of bones of</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using charts, models and films</li> <li>• Demonstration</li> </ul>	Short answer Questions  Objective type

			<p>axial and Appendicular skeleton, bone healing</p> <ul style="list-style-type: none"> <li>➤ Joints and joint movement</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	of joint movements	
III	4	Describe the muscle movements and tone and demonstrate muscle contraction and tone	<p><b>Muscular System</b></p> <ul style="list-style-type: none"> <li>➤ Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, models, slides, specimen and films</li> <li>• Demonstration of muscle movements, tone and contraction</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
IV	7	Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves  Demonstrate reflex action and stimulus	<p><b>Nervous System</b></p> <ul style="list-style-type: none"> <li>➤ Functions of Neuralgia &amp; neurons</li> <li>➤ Stimulus &amp; nerve-impulse- definitions and mechanism</li> <li>➤ Functions of brain, spinal cord, cranial and spinal nerves</li> <li>➤ Cerebrospinal fluid-composition, circulation and function</li> <li>➤ Reflex arc, Reflex action and reflexes</li> <li>➤ Automatic functions                             <ul style="list-style-type: none"> <li>▪ Pain: somatic, visceral and referred</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using, Charts, models and films</li> <li>• Demonstrate nerve stimulus, reflex action, reflexes</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>



			<ul style="list-style-type: none"> <li>▪ Automatic learning and biofeedback</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing</li> </ul>		
V	8	<p>Describe the physiology of blood and functions of Heart</p> <p>Demonstrate blood cell count, coagulation, grouping</p> <p>Hb: BP and Pulse monitoring</p>	<p><b>Circulatory System</b></p> <ul style="list-style-type: none"> <li>➤ Blood formation, composition, blood groups, blood coagulation</li> <li>➤ Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation</li> <li>➤ Functions of Heart, Conduction, Cardiac cycle, circulation- Principles, Control, factors influencing BP and Pulse</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using charts, films</li> <li>• Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system.</li> <li>• Measurement of pulse, BP</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
VI	6	<p>Describe the physiology and mechanisms of respiration</p> <p>Demonstrates spirometry</p>	<p><b>The Respiratory System</b></p> <ul style="list-style-type: none"> <li>➤ Functions of respiratory organs</li> <li>➤ Physiology of respiration</li> <li>➤ Pulmonary ventilation, Volume</li> <li>➤ Mechanics of respiration</li> <li>➤ Gaseous exchange in lungs</li> <li>➤ Carriage of oxygen &amp; carbon-dioxide</li> <li>➤ Exchange of gases in</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, films</li> <li>• Demonstration of spirometry</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

			<p>tissues</p> <ul style="list-style-type: none"> <li>➤ Regulation of respiration,</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>		
VII	6	<p>Describe the Physiology of digestive system</p> <p>Demonstrates BMR</p>	<p><b>The Digestive System</b></p> <ul style="list-style-type: none"> <li>➤ Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas</li> <li>➤ Metabolism of carbohydrates, protein and fat</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, films</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
VIII	5	<p>Describe the Physiology of excretory system</p>	<p><b>The Excretory System</b></p> <ul style="list-style-type: none"> <li>➤ Functions of kidneys, Ureters, urinary bladder &amp; urethra</li> <li>➤ Composition of urine</li> <li>➤ Mechanism of urine formation</li> <li>➤ Functions of skin</li> <li>➤ Regulation of body temperature</li> <li>➤ Fluid and electrolyte balance</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using</li> <li>• Charts, films</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

IX	4	Describe the physiology of sensory organs	<p><b>The Sensory Organs</b></p> <ul style="list-style-type: none"> <li>➤ Functions of skin, eye, ear, nose, tongue,</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using</li> <li>• Charts, films</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
X	5	Describe the physiology of endocrine glands	<p><b>The Endocrine Glands</b></p> <ul style="list-style-type: none"> <li>➤ Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries &amp; Testes</li> <li>➤ Alterations in disease</li> <li>➤ Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using</li> <li>• Charts, films</li> <li>• Demonstration of BMR</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
I	5	Describe the physiology of male and female reproductive system	<p><b>The Reproductive System</b></p> <ul style="list-style-type: none"> <li>➤ Reproduction of cells – DNA, Mitosis, Meiosis, spermatogenesis, oogenesis.</li> <li>➤ Functions of female reproductive organs; Functions breast, Female sexual cycle.</li> <li>➤ Introduction to embryology</li> <li>➤ Functions of male reproductive organs, Male function in reproduction, Male fertility system</li> <li>➤ Alterations in disease</li> <li>➤ Applications and</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using</li> <li>• Charts, films</li> <li>• models, specimens</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

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			implications in nursing.		
XII	2	Describe the Physiology of Lymphatic and Immunological System	<b>Lymphatic &amp; Immunological System</b> <ul style="list-style-type: none"> <li>➤ Circulation of lymph</li> <li>➤ Immunity <ul style="list-style-type: none"> <li>▪ Formation of T-cells and B cells</li> <li>▪ Types of Immune response</li> <li>▪ Antigens</li> <li>▪ Cytokines</li> <li>▪ Antibodies</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using</li> <li>• Charts, films</li> </ul>	Short answer Questions  Objective type

**Suggested Readings:**

1. Gerard J. Tortora, Bryan Derrickson. "Principles of Anatomy & Physiology" 13th Edition. John Wiley & Sons, Inc.2012.
2. PR Ashalatha, G Deepa. "Textbook of Anatomy & Physiology for nurses" 4<sup>th</sup> edition. JAYPEE publication; 2015.
3. Scanlon & Sanders. "Essentials of Anatomy & Physiology" 6<sup>th</sup> edition. JAYPEE Publication; 2011.
4. PR Ashalatha. "Textbook of Anatomy for nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2015.
5. Inderbir Singh. "Anatomy & Physiology for Nurses" 2<sup>nd</sup> edition. JAYPEE Publication; 2008.

**Subject Title: Nutrition**

**Course Code: NURS-103**

**Placement:** First Year

**Time:** Theory 60 hours

**Course of Description:** The course is designed to assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life and its application for practice of nursing

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	4		Describe the relationship between nutrition & Health	<b>Introduction</b> <ul style="list-style-type: none"> <li>➤ Nutrition:</li> <li>➤ History</li> <li>➤ Concepts</li> <li>➤ Role of nutrition in maintaining health</li> <li>➤ Nutritional problems in India</li> <li>➤ National nutritional policy</li> <li>➤ Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc.</li> <li>➤ Role of food and its medicinal value</li> <li>➤ Classification of foods</li> <li>➤ Food standards</li> <li>➤ Elements of nutrition: macro and micro</li> <li>➤ Calorie, BMR</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explaining using charts</li> <li>• Panel discussion</li> </ul>	Short answer Questions  Objective type
II	2		Describe the classification,	<b>Carbohydrates</b> <ul style="list-style-type: none"> <li>➤ Classification</li> <li>➤ Calorie Value</li> <li>➤ Recommended daily</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	Short answer Questions

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			functions, sources and recommended daily allowances (RDA) of carbohydrates	<p>allowances</p> <ul style="list-style-type: none"> <li>➤ Dietary sources</li> <li>➤ Functions</li> <li>➤ Digestion, absorption and storage, metabolism of carbohydrates</li> <li>➤ Malnutrition: Deficiencies and Over consumption</li> </ul>	<ul style="list-style-type: none"> <li>• Explaining using charts</li> </ul>	Objective type
III	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats	<p><b>Fats</b></p> <ul style="list-style-type: none"> <li>➤ Classification</li> <li>➤ Caloric value</li> <li>➤ Recommended daily allowances</li> <li>➤ Dietary sources</li> <li>➤ Functions</li> <li>➤ Digestion, absorption and storage, metabolism</li> <li>➤ Malnutrition: Deficiencies and over consumption</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explaining using charts</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
IV	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins	<p><b>Proteins</b></p> <ul style="list-style-type: none"> <li>➤ Classification</li> <li>➤ Caloric value</li> <li>➤ Recommended daily allowances</li> <li>➤ Dietary sources</li> <li>➤ Functions</li> <li>➤ Digestion, absorption, metabolism and storage</li> <li>➤ Malnutrition: Deficiencies and Over consumption</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explaining using charts</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
V	3		Describe the daily calorie requirement for different categories of	<p><b>Energy</b></p> <ul style="list-style-type: none"> <li>➤ Unit of Energy – Kcal</li> <li>➤ Energy requirements of different categories of people</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explaining using charts</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

			people	<ul style="list-style-type: none"> <li>➤ Measurements of energy</li> <li>➤ Body Mass Index (BMI) and basic metabolism</li> <li>➤ Basal Metabolic Rate (BMR) - determination and factors affecting</li> </ul>	<ul style="list-style-type: none"> <li>• Exercise</li> <li>• Demonstration</li> </ul>	
VI	4		Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins	<b>Vitamins</b> <ul style="list-style-type: none"> <li>➤ Classification</li> <li>➤ Recommended daily allowances</li> <li>➤ Dietary sources</li> <li>➤ Functions</li> <li>➤ Absorption, synthesis, metabolism storage and excretion</li> <li>➤ Deficiencies</li> <li>➤ Hypervitaminosis</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explaining using charts</li> </ul>	Short answer Questions  Objective type
VII	4		Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals	<b>Minerals</b> <ul style="list-style-type: none"> <li>➤ Classification</li> <li>➤ Recommended daily allowances</li> <li>➤ Dietary sources</li> <li>➤ Functions</li> <li>➤ Absorption, synthesis, metabolism storage and excretion</li> <li>➤ Deficiencies</li> <li>➤ Overconsumption and toxicity</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explaining using charts</li> </ul>	Short answer Questions  Objective type
VIII	3		Describe the sources, functions and requirements of Water & electrolytes	<b>Water &amp; electrolytes</b> <ul style="list-style-type: none"> <li>➤ Water: Daily requirement, regulation of water metabolism, distribution of body water,</li> <li>➤ Electrolytes: Types, sources, composition of</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explaining using charts</li> </ul>	Short answer Questions  Objective type

				<p>body fluids</p> <ul style="list-style-type: none"> <li>➤ Maintenance of fluid &amp; electrolyte balance</li> <li>➤ Over hydration, dehydration and water intoxication</li> <li>➤ electrolyte imbalances</li> </ul>		
IX	5	15	<p>Describe the Cookery rules and preservation of nutrients</p> <p>Prepare and serve simple beverages and different types of foods</p>	<p><b>Cookery rules and preservation of nutrients</b></p> <ul style="list-style-type: none"> <li>➤ Principles, methods of cooking and serving</li> <li>➤ Preservation of nutrients</li> <li>➤ Safe Food handling-toxicity</li> <li>➤ Storage of food</li> <li>➤ Food preservation, food additives and its principles</li> <li>➤ prevention of food adulteration Act (PFA)</li> <li>➤ Food standards</li> <li>➤ Preparation of simple beverages and different types of food</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
X	7	5	<p>Describe and plan balanced diet for different categories of people</p>	<p><b>Balanced diet</b></p> <ul style="list-style-type: none"> <li>➤ Elements</li> <li>➤ Food groups</li> <li>➤ Recommended Daily allowance</li> <li>➤ Nutritive value of foods</li> <li>➤ Calculation of balanced diet for different categories of people</li> <li>➤ Planning menu</li> <li>➤ Budgeting of food</li> <li>➤ Introduction to therapeutic diets: Naturopathy - diet</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Explaining using charts</li> <li>• Practice session</li> <li>• Meal planning</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p> <p>Exercise on Menu Planning</p>



XI	4		<p>Describe various national programmes related to nutrition</p> <p>Describe the role of nurse in assessment of nutritional status and nutrition education</p>	<p><b>Role of nurse in nutritional programmes</b></p> <ul style="list-style-type: none"> <li>➤ National programmes related to nutrition             <ul style="list-style-type: none"> <li>▪ Vitamin A deficiency programme</li> <li>▪ National iodine deficiency disorders (IDD) programme</li> <li>▪ Mid-day meal programme</li> <li>▪ Integrated child development scheme (ICDS)</li> </ul> </li> <li>➤ National and International agencies working towards food/nutrition             <ul style="list-style-type: none"> <li>▪ NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc.</li> </ul> </li> <li>➤ Assessment of nutritional status</li> <li>➤ Nutrition education and role of nurse</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explaining with</li> <li>• Slide / Film shows</li> <li>• Demonstration of Assessment of nutritional status</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
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**Suggested Readings:**

1. TK Indrani. "Nursing Manual of Nutrition & Therapeutic Diet" 1<sup>st</sup> edition. JAYPEE Publication; 2008.
2. Darshan Sohi. "A Comprehensive Textbook of Nutrition & Therapeutic Diets" 1<sup>st</sup> edition. JAYPEE Publication; 2013.
3. Ruma Singh. "Food & Nutrition for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2014.
4. Rishi Avasthi. "Comprehensive Textbook of Nutrition for B.sc nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2016.
5. Taylor & Francis. "International Journal of Food Sciences and Nutrition".

**Subject Title: Biochemistry**

**Course Code: NURS103**

**Placement – First Year**

**Time: Theory –30 Hours**

**Course Description:** The Course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alterations in biochemistry in diseases for practice of nursing.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activities</b>	<b>Assessment Methods</b>
I	3	Describe the structure Composition and functions of cell  Differentiate between Prokaryote & Eukaryote cell  Identify techniques of Microscopy	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Definition and significance in nursing</li> <li>• Review of structure, Composition and functions of cell</li> <li>• Prokaryote and Eukaryote cell organization</li> <li>• Microscopy</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion using charts, slides</li> <li>• Demonstrate use of microscope</li> </ul>	Short answer Questions  Objective type
II	6	Describe the structure and functions of cell membrane	<b>Structure and functions of Cell membrane</b> <ul style="list-style-type: none"> <li>➤ Fluid mosaic model tight junction, Cytoskeleton</li> <li>➤ Transport mechanism: diffusion osmosis, filtration, active channel, sodium pump</li> <li>➤ Acid base balance-maintenance &amp; diagnostic tests</li> <li>➤ PH buffers</li> </ul>	Lecture discussion	Short answer Questions  Objective type

III	6	Explain the metabolism of carbohydrates	<p><b>Composition and metabolism of Carbohydrates</b></p> <ul style="list-style-type: none"> <li>➤ Types, structure, composition and uses             <ul style="list-style-type: none"> <li>▪ Monosaccharides, Disaccharides, Polysaccharides</li> <li>▪ Oligosaccharides</li> </ul> </li> <li>➤ Metabolism             <ul style="list-style-type: none"> <li>▪ Pathways of glucose:                 <ul style="list-style-type: none"> <li>• Glycolysis</li> <li>• Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle</li> <li>• Glycogenolysis</li> <li>• Pentose phosphate Pathways (Hexose mono phosphate)</li> </ul> </li> <li>▪ Regulation of blood glucose level</li> <li>▪ Investigations and their interpretations</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• using charts</li> <li>• Demonstration of laboratory tests</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
IV	4	Explain the metabolism of Lipids	<p><b>Composition and metabolism of Lipids</b></p> <ul style="list-style-type: none"> <li>➤ Types, Structure, composition and uses of fatty acids             <ul style="list-style-type: none"> <li>▪ Nomenclature, Roles and Prostaglandins</li> </ul> </li> <li>➤ Metabolism of fatty acid             <ul style="list-style-type: none"> <li>▪ Breakdown</li> <li>▪ Synthesis</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion using charts</li> <li>• Demonstration of laboratory tests</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

			<ul style="list-style-type: none"> <li>➤ Metabolism of triacylglycerols</li> <li>➤ Cholesterol metabolism             <ul style="list-style-type: none"> <li>▪ Biosynthesis and its Regulation</li> <li>• Bile salts and bilirubin</li> <li>• Vitamin D</li> <li>• Steroid hormones</li> </ul> </li> <li>➤ Lipoproteins and their functions             <ul style="list-style-type: none"> <li>▪ VLDLs- IDLs, LDLs and HDLs</li> <li>▪ Transport of lipids</li> <li>▪ Atherosclerosis, Investigations and their interpretations</li> </ul> </li> </ul>		
V	6	Explain the metabolism of Amino acids and Proteins	<p><b>Composition and metabolism of Amino acids and Proteins</b></p> <ul style="list-style-type: none"> <li>➤ Types, structure, composition and uses of Amino acids and Proteins</li> <li>➤ Metabolism of Amino acids and Proteins             <ul style="list-style-type: none"> <li>▪ Protein synthesis, targeting and Glycoslation</li> <li>▪ Chromatography</li> <li>▪ Electrophoresis</li> <li>▪ Sequencing</li> </ul> </li> <li>➤ Metabolism of Nitrogen             <ul style="list-style-type: none"> <li>▪ Fixation and Assimilation</li> <li>▪ Urea Cycle</li> <li>▪ Hemes and chlorophylls</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion using charts</li> <li>• Demonstration of laboratory tests</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

			<ul style="list-style-type: none"> <li>➤ Enzymes and co-enzymes                             <ul style="list-style-type: none"> <li>▪ Classification</li> <li>▪ Properties</li> <li>▪ Kinetics and inhibition</li> <li>▪ Control</li> </ul> </li> <li>Investigations and their interpretations</li> </ul>		
VI	2	Describe types, composition and utilization of Vitamins & minerals	<p><b>Composition of Vitamins and minerals</b></p> <ul style="list-style-type: none"> <li>➤ Vitamins and minerals:                             <ul style="list-style-type: none"> <li>▪ Structure, Classification, Properties, Absorption</li> <li>▪ Storage &amp; transportation</li> <li>▪ Normal concentration</li> </ul> </li> <li>➤ Investigations and their interpretation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion using charts</li> <li>• Demonstration of laboratory tests</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>
VII	3	Describe Immuno-chemistry	<p><b>Immunochemistry</b></p> <ul style="list-style-type: none"> <li>➤ Immune response,</li> <li>➤ Structure and classification of immunoglobins</li> <li>➤ Mechanism of antibody production</li> <li>➤ Antigens: HLA typing</li> <li>➤ Free radical and Antioxidants</li> <li>➤ Specialized Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein.</li> <li>➤ Electrophoretic and Quantitative determination of immunoglobins – ELISA</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion using charts</li> <li>• Demonstration of laboratory tests</li> </ul>	<p>Short answer Questions</p> <p>Objective type</p>

			etc. ➤ Investigations and their interpretations		
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**Suggested Readings:**

1. Pankaja Naik. "Biochemistry" 4<sup>th</sup> edition. JAYPEE Publication; 2016.
2. Sathinarayan. "Biochemistry"
3. D M Vasudevan. "Textbook of Biochemistry for Medical Students" 8<sup>th</sup> edition. JAYPEE Publication; 2016.
4. Kasarla Rajeshwar Reddy. "Medical Biochemistry for Nurses" 2<sup>nd</sup> edition. JAYPEE Publication; 2008.
5. Anthikad. "Biochemistry for Nurses" 2<sup>nd</sup> edition. JAYPEE Publication; 2008.

**Subject Title: Nursing Foundations**

**Course Code: NURS-104**

**Placement:** First Year

**Time:** Theory - 265 hours

Practical - 650 hours (200 lab and 450 clinical)

**Course Description:** This course is designed to help the students to develop an understanding of the philosophy, objectives, theories and process of nursing in various Supervised Clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in Supervised Clinical settings.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Activities</b>	<b>Learning</b>	<b>Assessment methods</b>
I	10	Describe the concept of health, illness and health care agencies	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>➤ Concept of Health: Health – illness continuum</li> <li>➤ Factors influencing health</li> <li>➤ Causes and risk factors for developing illness</li> <li>➤ Body defenses: Immunity and immunization</li> <li>➤ Illness and illness Behavior:</li> <li>➤ Impact of illness on patient and family</li> <li>➤ Health Care Services: Health Promotion and Prevention, Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care</li> <li>➤ Health care teams</li> <li>➤ Types of health care agencies</li> <li>➤ Hospitals: Types, Organization and Functions</li> <li>➤ Health Promotion and Levels of</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Visit to health care agencies</li> </ul>		<ul style="list-style-type: none"> <li>•Essay type</li> <li>•Short answers</li> <li>•Objective type</li> </ul>

			<p align="center">Disease Prevention</p> <ul style="list-style-type: none"> <li>➤ Primary Health care and its delivery: Role of nurse</li> </ul>		
II	16	<p>Explain concept and scope of nursing</p> <p>Describe values, code of ethics and professional conduct for nurses of India</p>	<p><b>Nursing as a profession</b></p> <ul style="list-style-type: none"> <li>➤ Definition and Characteristics of a profession</li> <li>➤ Nursing: <ul style="list-style-type: none"> <li>▪ Definition, Concepts, philosophy, objectives</li> <li>▪ Characteristics, nature and scope of nursing practice</li> <li>▪ Functions of nurse</li> <li>▪ Qualities of a nurse</li> <li>▪ Categories of nursing personnel</li> <li>▪ Nursing as a profession</li> <li>▪ History of Nursing in India.</li> </ul> </li> <li>➤ Values: Definition, Types, Values Classification and values in professional Nursing: Caring &amp; Advocacy</li> <li>➤ Ethics: <ul style="list-style-type: none"> <li>▪ Definition and Ethical Principles</li> <li>▪ Code of ethics and professional conduct for nurses.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Role plays</li> </ul>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p>
III	4	<p>* Explain the admission and discharge procedure</p> <p>* Performs admission and discharge procedure</p>	<p><b>Hospital admission and discharge</b></p> <ul style="list-style-type: none"> <li>➤ Admission to the hospital <ul style="list-style-type: none"> <li>▪ Unit and its preparation-admission bed</li> <li>▪ Admission procedure</li> <li>▪ Special considerations</li> <li>▪ Medico-legal issues</li> <li>▪ Roles and Responsibilities of the nurse</li> </ul> </li> <li>➤ Discharge from the hospital <ul style="list-style-type: none"> <li>▪ Types: Planned discharge, LAMA and abscond, Referrals</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Lab Practice</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assess skills with check list</li> <li>• Clinical practical</li> <li>• examination</li> </ul>



			<p>and transfers</p> <ul style="list-style-type: none"> <li>▪ Discharge Planning</li> <li>▪ Discharge procedure</li> <li>▪ Special consideration</li> <li>▪ Medico-legal issues</li> <li>▪ Roles and Responsibilities of the nurse</li> <li>▪ Care of the unit after discharge</li> </ul>		
IV	10	<p>*Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image)</p> <p>*Appreciate the importance of patient teaching in nursing</p>	<p><b>Communication and Nurse patient relationship</b></p> <ul style="list-style-type: none"> <li>➤ Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication <ul style="list-style-type: none"> <li>▪ Methods of Effective Communication, <ul style="list-style-type: none"> <li>• Attending skills</li> <li>• Rapport building skills</li> <li>• Empathy skills</li> </ul> </li> <li>▪ Barriers to effective communication,</li> </ul> </li> <li>➤ Helping Relationship (NPR): Dimensions of Helping Relationships, Phase of a helping relationship</li> <li>➤ Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group(children, women, physically and mentally challenged and elderly)</li> <li>➤ Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Role play and video film on the nurses interacting with the patient</li> <li>• Practice session on patient teaching</li> <li>• Supervised Clinical Practice</li> </ul>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p>
V	15	<p>* Explain the concept,</p>	<p><b>The Nursing Process</b></p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> </ul>	<p>Essay type</p> <p>Short</p>

		<p>uses, format and steps of nursing process</p> <p>*Documents nursing process as per the format</p>	<ul style="list-style-type: none"> <li>➤ Critical Thinking and Nursing Judgment                             <ul style="list-style-type: none"> <li>▪ Critical Thinking: Thinking and Learning</li> <li>▪ Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing</li> </ul> </li> <li>➤ Nursing Process Overview: Application in Practice                             <ul style="list-style-type: none"> <li>▪ Nursing process format: INC, current format</li> <li>▪ Assessment                                     <ul style="list-style-type: none"> <li>- Collection of Data : Types, Sources, Methods</li> <li>- Formulating Nursing Judgment: Data interpretation   <ul style="list-style-type: none"> <li>▪ Nursing Diagnosis   <ul style="list-style-type: none"> <li>- Identification of client problems</li> <li>- Nursing diagnosis statement</li> <li>- Difference between medical and nursing diagnosis</li> </ul> </li> <li>▪ Planning   <ul style="list-style-type: none"> <li>- Establishing Priorities</li> <li>- Establishing Goals and Expected Outcomes</li> <li>- Selection of interventions : Protocols and standing Orders</li> </ul> </li> <li>- Writing the Nursing Care Plan   <ul style="list-style-type: none"> <li>▪ Implementation   <ul style="list-style-type: none"> <li>- Implementing the plan of care</li> </ul> </li> </ul> </li> <li>▪ Evaluation   <ul style="list-style-type: none"> <li>- Outcome of care</li> <li>- Review and Modify</li> </ul> </li> <li>▪ Documentation and Reporting</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Exercise</li> <li>• Supervised Clinical Practice</li> </ul>	<p>answers Objective type</p>
VI	4	Describe the purposes, types and techniques of recording and reporting	<p><b>Documentation and Reporting</b></p> <ul style="list-style-type: none"> <li>➤ Documentation : Purposes of Recording and reporting</li> <li>➤ Communication within the Health Care Team</li> <li>➤ Types of records; ward records,</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice Session</li> <li>• Supervised Clinical Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>

			<p>medical/nursing records,</p> <ul style="list-style-type: none"> <li>➤ Common Record-keeping forms, Computerized documentation</li> <li>➤ Guidelines for Reporting: Factual Basis, Accuracy, Completeness, currentness, Organization, confidentiality</li> <li>➤ Methods of Recording</li> <li>➤ Reporting: Change of shift reports: Transfer reports, incident reports</li> <li>➤ Minimizing legal Liability through effective record keeping</li> </ul>		
VII	15	<p>Describe principles and techniques of monitoring and maintaining vital signs</p> <p>* Monitor and maintain vital signs</p>	<p><b>Vital signs</b></p> <ul style="list-style-type: none"> <li>➤ Guidelines for taking vital signs :</li> <li>➤ Body temperature: <ul style="list-style-type: none"> <li>▪ Physiology, Regulation, Factors affecting body temperature,</li> <li>▪ Assessment of body temperature: sites, equipments and technique, special considerations</li> <li>▪ Temperature alterations: Hyperthermia, Heatstroke, Hypothermia</li> <li>▪ Hot and cold applications</li> </ul> </li> <li>➤ Pulse: <ul style="list-style-type: none"> <li>▪ Physiology &amp; Regulation, Characteristics of the pulse, Factors affecting pulse</li> <li>▪ Assessment of the pulse: sites, location, equipments and technique, special considerations</li> <li>▪ Alterations in pulse:</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice</li> <li>• Supervised Clinical Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assess with check list and clinical practical</li> </ul>

			<ul style="list-style-type: none"> <li>➤ Respiration <ul style="list-style-type: none"> <li>▪ Physiology and Regulation, Mechanics of breathing</li> <li>Characteristics of the respiration, Factors affecting respiration</li> <li>▪ Assessment of respirations: Technique, special considerations</li> <li>▪ Alterations in respiration</li> </ul> </li> <li>➤ Blood pressure : <ul style="list-style-type: none"> <li>▪ Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure</li> <li>▪ Assessment of blood pressure: sites, equipments and technique, special considerations</li> <li>▪ Alterations in blood pressure</li> </ul> </li> </ul> <p>Recording of vital signs</p>		
VIII	30	<p>* Describe purpose and process of health assessment</p> <p>* Describe the health assessment of each body system</p> <p>* Perform health assessment of each body system</p>	<p><b>Health assessment</b></p> <ul style="list-style-type: none"> <li>➤ Purposes</li> <li>➤ Process of Health assessment <ul style="list-style-type: none"> <li>▪ Health History</li> <li>▪ Physical examination : <ul style="list-style-type: none"> <li>- Methods-Inspection, Palpation, Percussion, Auscultation, Olfaction</li> </ul> </li> <li>▪ Preparation for examination: patient and unit</li> <li>▪ General assessment</li> <li>▪ Assessment of each body system</li> <li>▪ Recording of health assessment</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice on stimulators</li> <li>• Supervised Clinical Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assess with check list and clinical practical</li> </ul>

IX	5	Identify the various machinery, equipment and linen and their care	<p><b>Machinery, Equipment and linen</b></p> <ul style="list-style-type: none"> <li>➤ Types: Disposables and reusable- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery</li> <li>➤ Introduction                             <ul style="list-style-type: none"> <li>▪ Indent</li> <li>▪ Maintenance</li> <li>▪ Inventory</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>
X	60	<p>* Describe the basic, psychological needs of patient</p> <p>* Describe the principles and techniques for meeting basic, Physiological and psychosocial needs of patient</p> <p>* Perform nursing assessment, plan implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient</p>	<p><b>Meeting needs of patient</b></p> <ul style="list-style-type: none"> <li>➤ Basic needs (Activities of daily living)                             <ul style="list-style-type: none"> <li>▪ Providing safe and clean environment:                                     <ul style="list-style-type: none"> <li>• Physical-environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control</li> <li>• Reduction of physical hazards: fire, accidents   <ul style="list-style-type: none"> <li>• Safety devices: Restraints, side rails, airways, trapeze etc.</li> <li>• Role of nurse in providing safe and clean environment.   <ul style="list-style-type: none"> <li>▪ Hygiene:-   <ul style="list-style-type: none"> <li>• Factors Influencing Hygienic Practice</li> <li>• Hygienic care: Care of the Skin-Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears and Nose</li> </ul> </li> </ul> </li> </ul> </li> <li>○ Assessment, Principles, Types, Equipments, Procedure, Special Considerations</li> <li>- Patient environment: Room Equipment and linen, making patient beds                                     <ul style="list-style-type: none"> <li>○ Types of beds and bed making</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice sessions</li> <li>• Supervised Clinical Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assess with check list and clinical practical examination</li> </ul>

			<ul style="list-style-type: none"> <li>▪ Comfort:-             <ul style="list-style-type: none"> <li>- Factors influencing Comfort-</li> <li>Comfort devices</li> </ul> </li> <li>➤ Physiological needs:-             <ul style="list-style-type: none"> <li>▪ Sleep and Rest :                 <ul style="list-style-type: none"> <li>- Physiology of sleep</li> <li>- Factors affecting sleep</li> <li>- Promoting Rest and sleep</li> <li>- Sleep Disorders</li> </ul> </li> <li>▪ Nutrition :-                 <ul style="list-style-type: none"> <li>- Importance</li> <li>- Factors affecting nutritional needs</li> <li>- Assessment of nutritional needs</li> <li>- Meeting Nutritional needs: Principles, equipments, procedure and special considerations                     <ul style="list-style-type: none"> <li>○ Oral</li> <li>○ Enteral : Naso/ Orogastric, gastrostomy</li> <li>○ Parenteral :</li> <li>▪ Urinary Examination                             <ul style="list-style-type: none"> <li>- Review of Physiology of Urine Elimination, Composition and characteristics of urine.</li> <li>- Factors influencing Urination</li> <li>- Alteration in Urinary Elimination</li> <li>- Types and Collection of urine specimen: Observation, urine testing</li> <li>- Facilitating urine elimination: assessment, types, equipments, procedures and special considerations                                     <ul style="list-style-type: none"> <li>○ Providing urinal/bed pan</li> <li>○ Condom drainage</li> <li>○ Perineal care</li> <li>○ Catheterization</li> <li>○ Care of urinary</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>		
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			<p>drainage</p> <ul style="list-style-type: none"> <li>○ Care of urinary diversions</li> <li>○ Bladder irrigation</li> <li>▪ Bowel Elimination</li> <li>- Review of Physiology of Bowel Elimination, Composition and characteristics of faeces</li> <li>- Factors affecting Bowel elimination</li> <li>- Alteration in Bowel Elimination</li> <li>- Types and Collection of specimen of faeces: Observation</li> <li>Facilitating bowel elimination: assessment, equipments, procedures and special considerations</li> <li>○ Passing of Flatus tube</li> <li>○ Enemas</li> <li>○ Suppository</li> <li>○ Sitz bath</li> <li>○ Bowel was</li> <li>○ Care of Ostomies</li> <li>▪ Mobility and Immobility</li> <li>- Principles of Body Mechanics</li> <li>- Maintenance of normal body</li> <li>Alignment and mobility</li> <li>- Factors affecting body Alignment and mobility</li> <li>- Hazards associated with immobility</li> <li>- Alteration In body Alignment and mobility</li> <li>- Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects</li> </ul>		
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			<ul style="list-style-type: none"> <li>○ Range of motion exercises</li> <li>○ Maintaining body alignment: Positions</li> <li>○ Moving</li> <li>○ Lifting</li> <li>○ Transferring</li> <li>○ Walking</li> <li>○ Restraints</li> <li>▪ Oxygenation <ul style="list-style-type: none"> <li>- Review of Cardiovascular and respiratory Physiology</li> <li>- Factors Affecting Oxygenation</li> <li>- Alterations in oxygenation</li> <li>- Nursing interventions in oxygenation : assessment, types, equipment used, procedure and special considerations</li> </ul> </li> <li>○ Maintenance of patent airway</li> <li>○ Oxygen administration</li> <li>○ Suction</li> <li>○ Inhalations: dry and moist</li> <li>○ Chest physiotherapy and postural drainage</li> <li>○ Pulse oximetry</li> <li>○ CPR-Basic life support</li> <li>▪ Fluid, Electrolyte, and Acid – Base Balances <ul style="list-style-type: none"> <li>- Review of Physiological regulation of Fluid, Electrolyte, and Acid-Base Balances</li> <li>- Factors Affecting Fluid, Electrolyte, and Acid-Base Balances</li> <li>- Alterations in Fluid, Electrolyte, and Acid- Base Balances</li> </ul> </li> <li>- Nursing interventions in Fluid, Electrolyte and Acid</li> <li>- Base Imbalances : assessment, types, equipment,</li> </ul>		
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			<p>procedure and special considerations</p> <ul style="list-style-type: none"> <li>○ Measurement fluid intake and output</li> <li>○ Correcting Fluid Electrolyte Imbalance:</li> </ul> <ul style="list-style-type: none"> <li>➤ Replacement of fluids: Oral and Parenteral - Venipuncture, regulating IV flow rates, changing IV solutions and tubing, changing IV dressing,</li> <li>➤ Administering Blood transfusion</li> <li>➤ Restriction of fluids</li> <li>● Psychosocial Needs</li> <li>○ Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, coping with loss, death and grieving</li> <li>○ Assessment of psychosocial needs</li> <li>○ Nursing intervention for psychosocial needs <ul style="list-style-type: none"> <li>- Assist with coping and adaptation</li> <li>- Creating therapeutic environment</li> </ul> </li> <li>○ Recreational and diversional therapies</li> </ul>		
XI	20	* Describe principles and techniques for infection control and biomedical waste management in Supervised	<p><b>Infection control in Clinical settings</b></p> <ul style="list-style-type: none"> <li>➤ Infection control <ul style="list-style-type: none"> <li>▪ Nature of infection</li> <li>▪ Chain of infection transmission</li> <li>▪ Defenses against infection: Natural and acquired</li> <li>▪ Hospital acquired infection (Nosocomial infection)</li> </ul> </li> <li>➤ Concept of asepsis: medical</li> </ul>	<ul style="list-style-type: none"> <li>● Lecture discussion</li> <li>● Demonstration</li> <li>● Practice session</li> <li>● Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> <li>● Objective type</li> <li>● Assess with check list and clinical practical examination</li> </ul>

		Clinical settings	<p>asepsis, and surgical asepsis</p> <p>➤ Isolation precautions (Barrier nursing):</p> <ul style="list-style-type: none"> <li>▪ Hand washing: simple, hand antiseptics and surgical antiseptics (scrub)</li> <li>▪ Isolation: source and protective</li> <li>▪ Personal protecting equipments: types, uses and technique of wearing and removing</li> <li>▪ Decontamination of equipment and unit</li> <li>▪ Transportation of infected patients</li> <li>▪ Standard safety precautions (Universal precautions)</li> <li>▪ Transmission based precautions</li> </ul> <p>Biomedical waste management :</p> <ul style="list-style-type: none"> <li>▪ Importance</li> <li>▪ Types of hospital waste</li> <li>▪ Hazards associated with hospital waste</li> <li>▪ Decontamination of hospital waste</li> <li>▪ Segregation and Transportation and disposal</li> </ul>		
XII	40	<p>* Explain the principles, routes, effects of administration of medications</p> <p>* Calculate conversions of drugs and dosages within and between systems of</p>	<p><b>Administration of Medications</b></p> <p>➤ General</p> <p>Principles/Considerations</p> <ul style="list-style-type: none"> <li>▪ Purposes of Medication</li> <li>▪ Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Error</li> <li>▪ Drugs forms</li> <li>▪ Routes of administration</li> <li>▪ Storage and maintenance of</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assess with check list and clinical practical examination</li> </ul>

		<p>measurements</p> <p>* Administer drugs by the following routes-oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous topical, inhalation</p>	<p>drugs and Nurses responsibility</p> <ul style="list-style-type: none"> <li>▪ Broad classification of drugs</li> <li>▪ Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions,</li> <li>▪ Factors influencing drug Actions,</li> <li>▪ Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions.</li> <li>▪ Converting Measurements units: Conversions within one system, Conversion between systems, Dosage Calculation,</li> <li>▪ Terminologies and abbreviations used in prescriptions of medications</li> </ul> <p>➤ Oral Drugs Administration: Oral, Sublingual and Buccal : Equipment, procedure</p> <p>➤ Parenteral</p> <ul style="list-style-type: none"> <li>▪ General principles: Decontamination and disposal of syringes and needles</li> <li>▪ Types of parenteral therapies</li> <li>▪ Types of syringes, needles, cannula, and infusion sets</li> <li>▪ Protection from Needle stick Injuries: Giving Medications with a safety syringes</li> <li>▪ Routes of parenteral therapies</li> </ul> <p>- Intradermal: purpose, site, equipment, procedure, special considerations.</p>		
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			<ul style="list-style-type: none"> <li>- Subcutaneous: purpose, site, equipment, procedure, special considerations</li> <li>- Intramuscular: purpose, site, equipment, procedure, special considerations</li> <li>- Intra Venous: purpose, site, equipment, procedure, special considerations</li> <li>- Advanced techniques: epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intra arterial - Role of nurse</li> <li>➤ Topical Administration :purposes, site, equipment, procedure, special considerations for             <ul style="list-style-type: none"> <li>▪ Application to Skin</li> <li>▪ Application to mucous membrane</li> </ul> </li> <li>- Direct application of liquids- Gargle and swabbing the throat</li> <li>- Insertion of Drug into body cavity: Suppository/ medicated packing in rectum/vagina</li> <li>- Institutions: Ear, Eye, Nasal, Bladder, and Rectal</li> <li>- Irrigations: Eye, Ear, Bladder, Vaginal and Rectal</li> <li>- Spraying: Nose and throat</li> <li>➤ Inhalation: Nasal, oral, endotracheal/tracheal (steam, oxygen and medications) - purposes, types, equipment, procedure, special considerations             <ul style="list-style-type: none"> <li>▪ Recording and reporting of medications administered</li> </ul> </li> </ul>		
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XIII	10	<p>* Describe the pre and post-operative care of patients</p> <p>* Explain the process of wound healing</p> <p>* Explain the principles and techniques of wound care</p> <p>* Perform care of wounds</p>	<p><b>Meeting needs of Perioperative patients</b></p> <ul style="list-style-type: none"> <li>➤ Definition and concept of Perioperative Nursing</li> <li>➤ Preoperative Phase <ul style="list-style-type: none"> <li>▪ Preparation of patient for surgery</li> </ul> </li> <li>➤ Intraoperative <ul style="list-style-type: none"> <li>▪ Operation theatre Set up and environment</li> <li>▪ Role of nurse</li> </ul> </li> <li>➤ Postoperative Phase <ul style="list-style-type: none"> <li>▪ Recovery unit</li> <li>▪ Post operative unit</li> <li>▪ Post operative care,</li> </ul> </li> <li>➤ Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing</li> <li>➤ Surgical asepsis</li> <li>➤ Care of the wound: types, equipments, procedure and special consideration <ul style="list-style-type: none"> <li>▪ Dressings, Suture Care,</li> <li>▪ Care of Drainage</li> <li>▪ Application of Bandages, Binders, Splints &amp; Slings</li> <li>▪ Heat and Cold Therapy</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assess with check list and clinical practical examination</li> </ul>
XIV	15	<p>* Explain care of patients having alterations in body functioning</p>	<p><b>Meeting special needs of the patient</b></p> <ul style="list-style-type: none"> <li>➤ Care of patients having alteration in <ul style="list-style-type: none"> <li>▪ Temperature (hyper and hypothermia); Types, Assessment, Management</li> <li>▪ Sensorium <ul style="list-style-type: none"> <li>○ (Unconsciousness); Assessment, Management</li> </ul> </li> <li>▪ Urinary Elimination (retention</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assess with check list and clinical practical examination</li> </ul>

			<p>and incontinence);</p> <ul style="list-style-type: none"> <li>▪ Assessment, Management</li> <li>▪ Functioning of sensory organs: (Visual &amp; hearing impairment)</li> <li>▪ Assessment of Self-Care ability</li> <li>▪ Communication methods and special considerations</li> <li>▪ Mobility (physically challenged, cast) assessment of Self-Care ability: Communication Methods and special considerations</li> <li>▪ Mental state (mentally challenged), assessment of Self-Care ability;</li> <li>▪ Communication Methods and special considerations</li> <li>▪ Respiration (distress); Types, Assessment, Management</li> <li>▪ Comfort – (Pain) – Nature, Types, Factors influencing Pain, Coping, Assessment, Management;</li> <li>▪ Treatment related to gastrointestinal system: Naso-gastric suction, gastric irrigation, gastric analysis.</li> </ul>		
XV	5	Explain care of terminally ill patient	<p><b>Care of Terminally ill patient</b></p> <ul style="list-style-type: none"> <li>➤ Concepts of Loss, Grief, grieving Process</li> <li>➤ Signs of clinical death</li> <li>➤ Care of dying patient: special considerations</li> <li>➤ Advance directives: Euthanasia, will, dying declaration, organ donation etc.</li> <li>➤ Medico-legal issues</li> <li>➤ Care of dead body: equipment, procedure and care of unit</li> <li>➤ Autopsy</li> <li>➤ Embalming</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised Clinical practice</li> <li>• Case discussion/Role-play</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>
XVI	6	* Explain the	<b>Professional Nursing concepts and</b>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> </ul>

		<p>basic concepts of conceptual and theoretical models of nursing</p>	<p><b>practices</b></p> <ul style="list-style-type: none"> <li>➤ Conceptual and theoretical models of nursing practice: Introduction of models-holistic model, health belief model, health promotion model etc.</li> <li>➤ Introduction to Theories in Nursing; Peplau’s, Henderson’s, Orem’s, Neuman’s, Roger’s and Roy’s</li> <li>➤ Linking theories with nursing process.</li> </ul>		<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
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**Suggested Readings:**

1. Rebecca Nissanka. “Foundation of Nursing”. 1<sup>st</sup> edition. JAYPEE Publication; 2016.
2. SN Nanjunda Gowda. “Foundation of Nursing”. 1<sup>st</sup> edition. JAYPEE Publication; 2010.
3. Taylor Lillis Lyun “Fundamentals of Nursing”.
4. I Clement. “Textbook of Nursing Foundations” 1<sup>st</sup> edition. JAYPEE Publication; 2011.
5. Potter and Perry. ““Textbook of Nursing Foundations” 1<sup>st</sup> edition. ELSEVIER Publication; 2014.

## Nursing Foundations – Practical

**Placement:** First Year

**Time:** Practical – 650 hours

(200 lab and 450 clinical)

**Course Description:** This Course is designed to help the students to develop an understanding of the philosophy, objectives, theories, and process of nursing in various clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in clinical settings.

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment Methods
Demonstration Lab General Medical and Surgery ward	200 450 Minimum practice time in clinical area: 100	* Performs admission and discharge procedure	<p><b>Hospital admission and discharge (III)</b></p> <p>* <b>Admission</b></p> <p>* Prepare Unit for new patient</p> <p>* Prepare admission bed</p> <p>* Performs admission procedure</p> <ul style="list-style-type: none"> <li>○ New patient</li> <li>○ Transfer in</li> </ul> <p>* Prepare patient records</p> <p><b>Discharge / Transfer out</b></p> <p>* Gives discharge counselling</p> <p>* Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers)</p> <p>* Prepare records of</p>	* Practice in Unit/hospital	<p>* Evaluate with checklist</p> <p>* Assessment of clinical performance with rating scale</p> <p>* Competition of practical record</p>



		<p>* Prepares nursing care plans as per the nursing process format</p> <p>*Communicate effectively with patient, families and tea members and</p> <p>* Maintain effective human relations</p> <p>* Develops plan for patient teaching</p>	<p>discharge/transfer</p> <p>* Dismantle, and disinfect unit and equipment after discharge / transfer.</p> <p><b>Perform assessment:</b></p> <p>* History taking, Nursing diagnosis, problem list, Prioritization, Goals &amp; Expected Outcomes, selection of interventions</p> <p>* Write Nursing Care Plan</p> <p>* Gives care as per the plan</p> <p><b>Communication</b></p> <p>* Use verbal and non verbal communication techniques</p> <p><b>Prepare a plan for patient teaching session</b></p> <p><b>Write patient report</b></p> <p>* Change-of shift reports,</p> <p>Transfer reports, Incident reports etc.</p> <p>* Presents patient</p>	<p>* Write nursing process records of patient</p> <p>* Simulated-1</p> <p>* Actual - 1</p> <p>* Role-plays in simulated situations on communication techniques-1</p> <p>* Health talk-1</p> <p>* Write nurses notes and</p>	<p>*Assessment of nursing process records with checklist</p> <p>*Assessment of actual care given with rating scale</p> <p>* Assess role plays with the check list on communication techniques</p> <p>* Assess health talk with the checklist</p> <p>*Assessment of communication techniques by rating scale</p> <p>*Assessment of performance with rating</p>
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		<p>*Prepare patient reports</p> <p>* Presents reports</p> <p>* Monitor vital signs</p> <p>* Perform health assessment of each body system</p> <p>* Provide basic nursing care to patients</p>	<p>report</p> <p><b>Vital Signs</b></p> <p>*Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure</p> <p><b>Health assessment</b></p> <p>* Health history taking</p> <p>*Perform assessment:</p> <ul style="list-style-type: none"> <li>○ General</li> <li>○ Body system</li> </ul> <p>* Use various methods of physical examination</p> <p>*Inspection, Palpation, Percussion, Auscultation, Olfaction</p> <p>* Identification of system wise deviations</p> <p><b>Prepare Patient's unit:</b></p> <p>* Prepare beds:</p> <ul style="list-style-type: none"> <li>○ Open, closed, occupied, operation, amputation,</li> <li>○ Cardiac, fracture,</li> </ul>	<p>present the patient report of 2-3 assigned patient</p> <p>* Lab practice</p> <p>* Measure Vital signs of assigned patient</p> <p>* Practice in</p>	<p>scale</p> <p>*Assessment of each skill with checklist</p> <p>*Completion of activity record</p> <p>*Assessment of each skill with rating scale</p> <p>*Completion of activity record</p> <p>* Assess</p>
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			<p>burn, Divided, &amp; Fowlers bed</p> <p>* Pain assessment and provision for comfort</p> <p><b>Use comfort devices</b></p> <p><b>Hygienic care</b></p> <p>* Oral hygiene:</p> <p>* Baths and care of pressure points</p> <p>* Hair wash, Pediculosis treatment</p> <p><b>Feeding:</b></p> <p>* Oral, Enteral, Naso/Orogastric, gastrostomy and Parenteral feeding</p> <p>*Naso-gastric insertion, suction, and irrigation</p> <p><b>Assisting patient in urinary elimination</b></p> <p>*Provides urinal/bed pan</p> <p>* Condom drainage</p> <p>* Perineal care</p> <p>* Catheterization</p> <p>* Care of urinary drainage</p> <p><b>Bladder irrigation</b></p>	lab & hospital	observation study in checklist
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			<p><b>Assisting bowel Elimination:</b></p> <ul style="list-style-type: none"> <li>* Insertion of Flatus tube</li> <li>* Enemas</li> <li>*Insertion of Suppository</li> </ul> <p><b>Bowel wash Body Alignment and Mobility:</b></p> <ul style="list-style-type: none"> <li>○ Range of motion exercises</li> <li>○ Positioning: Recumbent, Lateral (rt/lt), Flowers, Sims, Lithotomy, Prone, Trendelenburg position</li> <li>○ Assist patient in Moving lifting, transferring, walking,</li> <li>○ Restraints</li> </ul> <p><b>Oxygen administration</b></p> <p><b>Suctioning:</b></p> <p><b>Oropharyngeal, nasopharyngeal</b></p> <p><b>Chest physiotherapy and postural drainage</b></p> <p><b>Care of Chest drainage</b></p> <p><b>CPR-Basic life support</b></p>		
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			<p><b>Intravenous therapy</b></p> <p><b>Blood and blood component therapy</b></p> <p><b>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids</b></p> <p><b>Perform lab tests:</b></p> <p>* Urine: sugar, albumin, acetone</p> <p>* Blood: sugar(with strip/ gluco-meter)</p> <p><b>Hot and cold applications:</b></p> <p>Local and general Sitz bath</p> <p><b>Communicating and assisting with self-care of visually &amp; hearing impaired patients</b></p> <p><b>Communicating and assisting with self-care of mentally challenged/disturbed patients</b></p> <p><b>Recreational and diversional therapies.</b></p>	<p>* Simulated exercise on CPR manikin</p>	
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		<p align="center"><b>Caring of patient with alteration in Sensorium</b></p> <p align="center"><b>Infection control</b></p> <p>* Perform following procedures :</p> <ul style="list-style-type: none"> <li>○ Hand washing techniques</li> <li>○ (Simple, hand antisepsis and surgical antisepsis (scrub)</li> <li>○ Prepare isolation unit in lab/ward</li> <li>○ Practice technique of wearing and removing Personal protective equipment (PPE)</li> <li>○ Practice Standard safety precautions (Universal precautions)</li> </ul> <p align="center"><b>Decontamination of equipment and unit:-</b></p> <p>* Surgical asepsis:</p> <ul style="list-style-type: none"> <li>○ Sterilization</li> <li>○ Handling sterilized equipment</li> <li>○ Calculate strengths of lotions,</li> <li>○ Prepare lotions</li> </ul> <p>* Perform</p>	<p>* Observation study - 2</p> <p>* Department of Infection control &amp; CSSD</p> <p>* Visits CSSD write observation report 1</p> <p>* Collection of samples for culture</p> <p>* Do clinical postings in infection control</p>	<p>* Evaluate all procedures with checklist</p>
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		<p>infection control procedures</p> <p>* Provide care to pre and post operative patients</p> <p>* Perform procedures for care of wounds</p> <p>* Administer drugs</p>	<p>• Care of articles</p> <p><b>Pre and post operative care:</b></p> <p>* Skin preparations for surgery : Local</p> <p>* Preparation of Post operative unit</p> <p>* Pre &amp; Post operative teaching and counselling</p> <p>* Pre &amp; Post operative monitoring</p> <p>* Care of the wound</p> <p>* Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, splints &amp; Slings</p> <p>* Bandaging of various body parts</p> <p><b>Administration of medications</b></p> <p>* Administer medications in different forms and routes</p> <p>* Oral, Sublingual and Buccal</p> <p>* Parenteral: Intradermal, subcutaneous, Intramuscular etc.</p>	<p>department and write report</p> <p>* Practice in lab/ward</p>	
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			<ul style="list-style-type: none"> <li>* Assist with Intra venous mediations</li> <li>*Drug measurements and dose calculations</li> <li>* Preparation of lotions and solutions</li> <li>*Administers topical applications</li> <li>* Insertion of drug into body cavity: Suppository &amp; medicated packing etc.</li> <li>* Instillation of medicines and spray into Ear, Eye, Nose and throat</li> <li>* Irrigations: Eye, Ear, Bladder, Vagina and Rectum</li> <li>* Inhalations: dry and moist</li> </ul> <p><b>Care of dying patient</b></p> <ul style="list-style-type: none"> <li>* Caring and packing of dead body</li> <li>* Counselling and supporting grieving relatives</li> <li>* Terminal care of the unit</li> </ul>		
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		<ul style="list-style-type: none"><li>* Provide care to dying and dead</li><li>* Counsel and support relatives.</li></ul>			
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**Subject Title: Psychology**

**Course Code: NURS-105**

**Placement:** First Year

**Time:** Theory 60 Hours

**Course Description:** This course is designed to assist the students to acquire knowledge of fundamentals of Psychology and develop an insight into behaviour of self and others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activity</b>	<b>Assessment Methods</b>
I	2	Describe the history, scope and methods of Psychology	<p><b>Introduction:</b></p> <ul style="list-style-type: none"> <li>➤ History and origin of Science of Psychology</li> <li>➤ Definitions and scope of Psychology</li> <li>➤ Relevance to Nursing</li> <li>➤ Methods of Psychology</li> </ul>	Lecture Discussion	Essay type  Short answers
II	4	Explain the Biology of Human behaviour	<p><b>Biology of Behavior</b></p> <ul style="list-style-type: none"> <li>➤ Body mind relationship – modulation process in health and illness.</li> <li>➤ Genetics and behavior : Heredity and Environment</li> <li>➤ Brain and behavior: Nervous system, Neurons and synapse</li> <li>➤ Association cortex, Rt and Lt Hemispheres</li> <li>➤ Psychology of sensations</li> <li>➤ Muscular and glandular controls of behaviour</li> <li>➤ Nature of behavior of an organism/integrated responses</li> </ul>	Lecture Discussion	Essay type  Short answers

III	20	Describe various cognitive processes and their applications	<p><b>Cognitive processes</b></p> <ul style="list-style-type: none"> <li>➤ Attention: Types, determinants, duration and degree, alterations</li> <li>➤ Perception: Meaning, Principles, factors affecting, errors</li> <li>➤ Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits.</li> <li>➤ Memory: Meaning, types, nature factors influencing, development theories and methods of memorizing and forgetting</li> <li>➤ Thinking: Types and levels, stages of development, relationship with language and communication</li> <li>➤ Intelligence: Meaning, classification, uses, theories</li> <li>➤ Aptitude: Concepts, types, individual differences and variability.</li> <li>➤ Psychometric assessments of cognitive processes</li> <li>➤ Alterations in cognitive processes</li> <li>➤ Applications</li> </ul>	Lecture Discussion	Essay type  Short answers
IV	8	Describe motivation, emotions, stress, attitudes and their influence on behaviour	<p><b>Motivation and Emotional processes:</b></p> <ul style="list-style-type: none"> <li>➤ Motivation: Meaning, concepts, types, theories, motives and behavior, conflicts and frustration, conflict resolution</li> <li>➤ Emotions and stress             <ul style="list-style-type: none"> <li>▪ Emotions: Definition, components, changes in emotions, theories, emotional adjustments, emotions in health and illness.</li> <li>▪ Stress: stressors, cycle, effect, adaptation and coping</li> </ul> </li> </ul>	Lecture Discussion	Essay type  Short answers

			<ul style="list-style-type: none"> <li>➤ Attitude: Meaning, nature, development, factors affecting,             <ul style="list-style-type: none"> <li>▪ Behaviour and attitudes</li> <li>▪ Attitudinal change</li> </ul> </li> <li>➤ Psychometric assessments of emotions and attitudes</li> <li>➤ Alterations in emotions</li> <li>➤ Applications</li> </ul>		
V	7	Explain the concepts of personality and its influence on behaviour	<b>Personality</b> <ul style="list-style-type: none"> <li>➤ Definitions, topography, types, Theories</li> <li>➤ Psychometric assessments of personality</li> <li>➤ Alterations in personality</li> <li>➤ Applications</li> </ul>	Lecture Discussion	Essay type  Short answers
VI	7	Describe Psychology of people during the life cycle	<b>Developmental Psychology</b> <ul style="list-style-type: none"> <li>➤ Psychology of people at different ages from infancy to old age</li> <li>➤ Psychology of vulnerable individuals-challenged, women, sick, etc.</li> <li>➤ Psychology of groups</li> </ul>	Lecture Discussion	Essay type  Short answers
VII	8	* Describe the characteristics of  * Mentally healthy person  * Explain ego defense mechanisms	<b>Mental hygiene and mental Health</b> <ul style="list-style-type: none"> <li>➤ Concepts of mental hygiene and mental health</li> <li>➤ Characteristics of mentally healthy person</li> <li>➤ Warning signs of poor mental health</li> <li>➤ Promotive and Preventive mental health-strategies and services</li> <li>➤ Ego Defense mechanisms and implications</li> <li>➤ Personal and social adjustments</li> <li>➤ Guidance and counseling</li> </ul>	Lecture Discussion  Case Discussion  Role Play Demonstration	Essay type  Short answers

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			➤ Role of nurse.		
VIII	4	* Explain the Psychological assessments and role of nurse	<b>Psychological assessment &amp; tests</b> Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Practice sessions</li> </ul>	Assessment practice

**Suggested Readings:**

1. Bhatia & Craigs. "Elements of Psychology and Mental Hygiene for Nurses in India"
2. R Sreevani. "Psychology for Nurses" 2<sup>nd</sup> edition. JAYPEE Publication; 2013.
3. Jacob Anthikad. "Psychology for Graduate Nurses" 5<sup>th</sup> edition. JAYPEE Publication; 2014.
4. I Clement. "Psychology for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2014.
5. P Prakash. "Fundamentals of Psychology for Graduate Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2016.

**Subject Title: Microbiology**

**Course Code: NURS-106**

**Placement:** First Year

**Time:** Theory-60 Hours

(Theory 45+15 lab)

**Course Description:** This course is designed to enable students to acquire understanding of fundamentals of Microbiology and identification of various microorganisms. It also provides opportunities for practicing infection control measures in hospital and community settings.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
	Th	Pr				
I	5		Explain concepts and principles of microbiology and their importance in nursing	<b>Introduction:</b> <ul style="list-style-type: none"> <li>➤ Importance and relevance to nursing</li> <li>➤ Historical perspective</li> <li>➤ Concepts and terminology</li> <li>➤ Principles of microbiology</li> </ul>	Lecture Discussion	Essay type  Short answers
II	10	5	* Describe structure, classification morphology and growth of bacteria  * Identify Micro-organisms	<b>General characteristics of Microbes</b> <ul style="list-style-type: none"> <li>➤ Structure and classification of Microbes</li> <li>➤ Morphological types</li> <li>➤ Size and form of bacteria</li> <li>➤ Motility</li> <li>➤ Colonization</li> <li>➤ Growth and nutrition of microbes                             <ul style="list-style-type: none"> <li>▪ Temperature</li> <li>▪ Moisture</li> <li>▪ Blood and body fluids</li> </ul> </li> <li>➤ Laboratory methods for Identification of Micro-organisms</li> <li>➤ Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation</li> </ul>	Lecture Discussion  Demonstration	Essay type  Short answers

				➤ Culture; various medias		
III	10	2	<p>* Describe the methods of infection control</p> <p>* Identify the role of nurse in hospital infection control programme</p>	<p><b>Infection Control</b></p> <ul style="list-style-type: none"> <li>➤ Infection: Sources, portals of entry and exit, transmission</li> <li>➤ Asepsis</li> <li>➤ Disinfection: Types and methods</li> <li>➤ Sterilization: Types and methods</li> <li>➤ Chemotherapy and antibiotics</li> <li>➤ Standard safety measures</li> <li>➤ Biomedical waste management</li> <li>➤ Role of Nurse</li> <li>➤ Hospital acquired infection</li> <li>➤ Hospital infection control programme:-Protocols, collection of samples, preparation of report and status of rate of infection in the unit/ hospital, nurse's accountability, continuing education etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Visits to CSSD</li> <li>• Clinical practice</li> </ul>	<p>Essay type</p> <p>Short answers</p>
IV	12	4	Describe the different disease producing organisms	<p><b>Pathogenic organisms</b></p> <ul style="list-style-type: none"> <li>➤ Micro-organisms <ul style="list-style-type: none"> <li>▪ Cocci – gram positive and gram negative</li> <li>▪ bacilli – gram positive and gram negative</li> <li>▪ Spirochaete</li> <li>▪ Mycoplasma</li> <li>▪ Rickettsiae</li> <li>▪ Chlamydiae</li> </ul> </li> <li>➤ Viruses</li> <li>➤ Fungi-Superficial and Deep mycoses</li> <li>➤ Parasites</li> <li>➤ Rodents &amp; vectors</li> </ul> <p>Characteristics, Source, portal of entry, transmission of infection</p> <p>Identification of disease producing micro-organisms</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p>



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				collection, handling and transportation of various specimens		
V	8	4	Explain the concept of immunity, hyper sensitivity and immunization	<b>Immunity</b> <ul style="list-style-type: none"> <li>➤ Immunity – Types, classification</li> <li>➤ Antigen &amp; antibody reaction</li> <li>➤ Hypersensitivity – skin test,</li> <li>➤ Serological tests</li> <li>➤ Immunoprophylaxis <ul style="list-style-type: none"> <li>▪ Vaccines &amp; sera – Types &amp; classification, storage and handling, cold chain</li> <li>▪ Immunization for various diseases</li> <li>▪ Immunization schedule</li> </ul> </li> </ul>	Lecture Discussion  Demonstration  Clinical practice	Essay type  Short answers

**Suggested Readings:**

1. Anantnarayan, Paniker. "Textbook of Microbiology".
2. D. R Arora, Brij Bala Arora. "Textbook of Microbiology".
3. Jacob Anthikad, P Sumanaswini. "Medical Microbiology for Nurses (Including Parasitology)" 1<sup>st</sup> edition. JAYPEE Publication; 2013.
4. Surinder Kumar. "Textbook of Microbiology for B.sc Nursing" 1<sup>st</sup> edition. JAYPEE Publication; 2015.
5. RR Rao. "Textbook of Microbiology for Nursing Students" 2<sup>nd</sup> edition. JAYPEE Publication; 2014.

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**Subject Title: Introduction to Computers      Course Code: NURS-107**

**Placement:** First Year

**Time:** Theory – 45 Hours

**Course Description:** This course is designed for students to develop basic understanding of uses of computer and its application in Nursing.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods  For Internal Assessment
	Th	Pr				
I	3		* Identify & define various concepts used in computer  * Identify application of computer in nursing	<b>Introduction:</b> <ul style="list-style-type: none"> <li>➤ Concepts of Computers</li> <li>➤ Hardware and software; trends and technology</li> <li>➤ Application of computers in nursing.</li> </ul>	Lecture Discussion  Demonstration	Short answers  Objective type
II	6	20	* Describe and Use the Disk Operating System  * Demonstrate skill in the use of MS Office	<ul style="list-style-type: none"> <li>➤ Introduction to disk – operating system                             <ul style="list-style-type: none"> <li>▪ DOS</li> <li>▪ Windows (all version)</li> </ul> </li> <li>➤ Introduction                             <ul style="list-style-type: none"> <li>▪ MS-Word</li> <li>▪ MS-Excel with pictorial presentation</li> <li>▪ MS-Access</li> <li>▪ MS-Power point</li> </ul> </li> </ul>	Lecture Discussion  Demonstration  Practice session	Short answers  Objective type  Practical Exam
III	2	3	* Demonstrate skill in using multi-media  * Identify features of	<ul style="list-style-type: none"> <li>➤ Multimedia; types &amp; uses</li> <li>➤ Computer aided teaching &amp; testing</li> </ul>	Lecture Discussion  Demonstration	Short answers  Objective type  Practical

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			computer aided teaching and testing			Exam and Viva Voce
IV	1	3	Demonstrate use of internet and Email	Use of Internet and: e-mail	Lecture Discussion  Demonstration  Practice session	Short answers  Objective type  Practical Exam and Viva Voce
V	2	2	Describe and use the statistical packages	Statistical packages: types and their features	Lecture Discussion  Demonstration  Practice session	Short answers  Objective type  Practical Exam and Viva Voce
VI	1	2	Describe the use of Hospital Management System	Hospital Management System: Types and uses	Lecture Discussion  Demonstration	* Short answers  * Objective type  * Practical Exam and Viva Voce

**Suggested Reading:**

1. Thacker & Shendurnikar. "Computers for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2006.
2. Selvasekaran. "Essentials of Computers for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2008.
3. Karanbir Singh. "Computers for Nurses Made Easy" 1<sup>st</sup> edition. JAYPEE Publication; 2007.

**Subject Title: Sociology**

**Course Code: NURS-201**

**Placement:** Second Year

**Time:** Theory 60 Hours

**Course Description:** This course is designed to introduce the concepts of sociology related to community and social institutions in India and its relationship with health, illness and nursing.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activity</b>	<b>Assessment Methods</b>
I	2	State the importance of sociology in Nursing	<b>Introduction</b> <ul style="list-style-type: none"> <li>➤ Definition of Sociology</li> <li>➤ Nature and Scope of the discipline</li> <li>➤ Importance and application of Sociology in Nursing</li> </ul>	Lecture Discussion	Essay type  Short answers
II	3	Describe the inter-relationship of individual in society and community	<b>Individual and Society</b> <ul style="list-style-type: none"> <li>➤ Society and Community</li> <li>➤ Nature of Society</li> <li>➤ Difference between Society and Community</li> <li>➤ Process of Socialization and individualization</li> <li>➤ Personal disorganization</li> </ul>	Lecture Discussion	Essay type  Short answers
III	4	*Describe the influence of culture and disease	<b>Culture</b> <ul style="list-style-type: none"> <li>➤ Nature of culture</li> <li>➤ Evolution of culture</li> <li>➤ Diversity and uniformity of culture</li> <li>➤ Culture and socialization</li> <li>➤ Transcultural society</li> <li>➤ Influence on health and disease</li> </ul>	Lecture Discussion  Panel Discussion	Essay type  Short answers
IV	6	Identify	<b>Social groups and processes</b>	Lecture	Essay type

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		various social groups and their interactions	<ul style="list-style-type: none"> <li>➤ The meaning and classification of groups</li> <li>➤ Primary &amp; Secondary group</li> <li>➤ In-group V/s. Out-group, class, tribe, caste</li> <li>➤ Economic, Political, Religious, groups, Mob, Crowd, Public and Audience Interaction &amp; Social Processes</li> <li>➤ Co-operation, Competition, Conflict</li> <li>➤ Accommodation, Assimilation &amp; Isolation</li> </ul>	Discussion  Panel Discussion	Short answers
V	6	Explain the growth of population in India and its impact on health	<b>Population</b> <ul style="list-style-type: none"> <li>➤ Society and population</li> <li>➤ Population distribution in India</li> <li>➤ Demographic characteristics</li> <li>➤ Malthusian theory of Populations</li> <li>➤ Population explosion in India and its impact on health status</li> <li>➤ Family welfare programmes</li> </ul>	Lecture Discussion  Community Identification	Essay type  Short answers  Assessment of report on community identification
VI	5	Describe the Institutions of family and marriage in India	<b>Family and Marriage</b> <ul style="list-style-type: none"> <li>➤ Family – functions</li> <li>➤ Types – Joint, Nuclear, blended and extended family: characteristics</li> <li>➤ The modern family changes, problems – dowry etc, welfare services</li> <li>➤ Changes and legislations on family and marriage in India – Marriage acts</li> <li>➤ Marriage: forms and functions of marriage</li> <li>➤ Marriage and family problems in India</li> </ul>	Lecture Discussion  Family case study	Essay type  Short answers  Assessment of family case study

			<ul style="list-style-type: none"> <li>➤ Family, Marriage and their influence on health and health practices</li> </ul>		
VII	8	Describe the class and caste system and their influence on health and health practices	<p><b>Social stratification</b></p> <ul style="list-style-type: none"> <li>➤ Meaning and types of social stratification</li> <li>➤ The Indian caste system-origin and features</li> <li>➤ Features of caste in India today</li> <li>➤ Social class system and status</li> <li>➤ Social Mobility –Meaning &amp; types</li> <li>➤ Race as a biological concept, criteria of racial classification</li> <li>➤ Salient features of Primary races- Racism</li> <li>➤ Influence of Class, Caste and Race on health and health practices</li> </ul>	Lecture Discussion  Community survey	Essay type  Short answers  Assessment of report on community survey
VIII	8	Describe the types of communities in India, their practices and the impact on health	<p><b>Types of Communities in India (Rural, Urban and Regional)</b></p> <ul style="list-style-type: none"> <li>➤ Features of village community and characteristics of Indian villages Panchayat system, social dynamics</li> <li>➤ Community Development project &amp; planning</li> <li>➤ Changes in Indian Rural life</li> <li>➤ Availability of health facilities in rural and its impact on health and health practices</li> <li>➤ Urban–Community – features</li> <li>➤ The growth of cities:</li> <li>➤ urbanization and its impact on health and health practices</li> <li>➤ Major Urban problems – Urban Slums</li> </ul>	Lecture Discussion  Visits to rural and urban community  Community survey	Essay type  Short answers  Assessment of report on community survey

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			<ul style="list-style-type: none"> <li>➤ Region: Problems and impact on Health</li> </ul>		
IX	5	Explain the process of Social Change	<p><b>Social Change</b></p> <ul style="list-style-type: none"> <li>➤ Nature and process of social change</li> <li>➤ Factors influencing Social change: Cultural changes, Cultural lag.</li> <li>➤ Introduction to Theories of social change: :Linear, Cyclical, Marxian, Functional</li> </ul> <p>Role of nurse-Change agents</p>	Lecture Discussion	Essay type  Short answers
X	3	Describe the Social system and inter-relationship of social organizations	<p><b>Social Organization and Social System</b></p> <ul style="list-style-type: none"> <li>➤ Social organization: elements, types</li> <li>➤ Democratic and authoritarian modes of participation</li> <li>➤ Voluntary association</li> <li>➤ Social system: Definition and Types of social system</li> <li>➤ Role and Status as structural elements of social system</li> <li>➤ Inter-relationship of institutions</li> </ul>	Lecture Discussion  Observation visits	Essay type  Short answers  Assessment of visit reports
XI	2	Explain the nature and process of social control	<p><b>Social control</b></p> <ul style="list-style-type: none"> <li>➤ Nature and process of social control</li> <li>➤ Political, Legal, Religious, Educational, Economic, Industrial and Technological system, Norms &amp; Values – Folkways &amp; Mores Customs, Laws and fashion</li> <li>➤ Role of Nurse</li> </ul>	Lecture Discussion  Community survey	Essay type  Short answers Assessment

XII		Describe the role of the nurse in dealing with social problems in India	<p><b>Social Problems</b></p> <ul style="list-style-type: none"> <li>➤ Social disorganization</li> <li>➤ Control &amp; planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women &amp; children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/Aids</li> <li>➤ Social welfare programmes in India</li> <li>➤ Role of Nurse</li> </ul>	Lecture Discussion  Institutional visits	
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**Suggested Readings:**

1. K P Neeraja. "Textbook of Sociology for nursing students" 1<sup>st</sup> edition. JAYPEE Publication; 2010.
2. Jacob Anthikad. "Sociology for Graduate Nurses" 2<sup>nd</sup> edition. JAYPEE Publication; 2014.
3. Manju Joha. "Sociology for Nurses".
4. Bid & Ramalingam A. "Sociology for Physiotherapists and Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2016.
5. TK Indrani. "Textbook of Sociology for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2010.



**Subject Title: Pharmacology**

**Course Code: NURS-202**

**Placement:** Second Year

**Time:** Theory – 45 hours

**Course Description:** This course is designed to enable students to acquire understanding of pharmacodynamics, pharmacokinetics, principles of therapeutics and nursing implications.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching learning Activities</b>	<b>Assessment Methods</b>
I	3	Describe pharmacokinetics, classification and the principles of drug administration	<p><b>Introduction to pharmacology</b></p> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Sources</li> <li>• Terminology used</li> <li>• Types: Classification</li> <li>• Pharmacodynamics: Actions, therapeutic</li> <li>• Adverse, toxic</li> <li>• Pharmacokinetics : absorption, distribution, metabolism, interaction, excretion</li> <li>• Review: Routes and principles of administration of drugs</li> <li>• Indian pharmacopoeia : Legal issues</li> <li>• Rational use of drugs</li> <li>• Principles of therapeutics</li> </ul>	Lecture Discussion	Short answers  Objective type
II	6	<ul style="list-style-type: none"> <li>• Explain Chemotherapy of specific infections and infestations and nurse's responsibilities</li> </ul>	<p><b>Chemotherapy</b></p> <ul style="list-style-type: none"> <li>➤ Pharmacology of commonly used;                             <ul style="list-style-type: none"> <li>▪ Penicillin</li> <li>▪ Cephalosporins</li> <li>▪ Aminoglycosides</li> <li>▪ Macrolide &amp; Broad Spectrum Antibiotics</li> <li>▪ Sulphonamides</li> <li>▪ Quinolones</li> <li>▪ Antiamoebic</li> <li>▪ Antimalarials</li> <li>▪ Anthelmintics</li> </ul> </li> </ul>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type

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			<ul style="list-style-type: none"> <li>▪ Antiscabies agents</li> <li>▪ Antiviral &amp; anti-fungal agents</li> <li>▪ Antitubercular drugs</li> <li>▪ Anti leprosy drugs</li> <li>▪ Anticancer drugs</li> <li>▪ Immuno-suppressants</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>		
III	2	Describe Antiseptics disinfectants, insecticides and nurse's responsibilities	<p><b>Pharmacology of commonly used antiseptics, disinfectants and insecticides</b></p> <ul style="list-style-type: none"> <li>• Antiseptics;</li> <li>• Disinfectants</li> <li>• Insecticides</li> </ul>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type
IV	2	Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities	<p><b>Drugs acting on G.I. system</b></p> <ul style="list-style-type: none"> <li>➤ Pharmacology of commonly used –</li> <li>➤ Antiemetic,</li> <li>➤ Emetics</li> <li>➤ Purgatives</li> <li>➤ Antacids</li> <li>➤ Cholinergic</li> <li>➤ Anticholinergics</li> <li>➤ Fluid and electrolyte therapy</li> <li>➤ Anti diarrhoeals</li> <li>➤ Histamines</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type
V	2	Describe Drugs used on Respiratory systems and nurse's responsibilities	<p><b>Drugs used on Respiratory Systems</b></p> <ul style="list-style-type: none"> <li>➤ Pharmacology of commonly used –</li> <li>▪ Antiasthmatics</li> <li>▪ Mucolytics</li> </ul>	Lecture Discussion  Drug study/	Short answers  Objective type

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			<ul style="list-style-type: none"> <li>▪ Decongestants</li> <li>▪ Expectorants</li> <li>▪ Antitussives</li> <li>▪ Bronchodilators</li> <li>▪ Broncho constrictors</li> <li>▪ Antihistamines</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	presentation	
VI	2	<ul style="list-style-type: none"> <li>• Describe Drugs used on Urinary System and nurse's responsibilities</li> </ul>	<p><b>Drugs used on Urinary System</b></p> <ul style="list-style-type: none"> <li>➤ Pharmacology of commonly used – <ul style="list-style-type: none"> <li>▪ Diuretics and antidiuretics</li> <li>▪ Urinary antiseptics</li> <li>▪ Cholinergic and Anticholinergics</li> <li>▪ Acidifiers and alkalizers</li> </ul> </li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type
VII	4	Describe Drugs used in De-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and Immuno-suppression and nurse's responsibilities	<p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>▪ Drugs used in de-addiction</li> <li>▪ Drugs used in CPR and emergency</li> <li>▪ Vitamins and minerals</li> <li>▪ Immunosuppressant</li> <li>▪ Antidotes</li> <li>▪ Antivenom</li> <li>▪ Vaccines and sera</li> </ul>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type
VIII	1	Describe Drugs used on skin and mucous membranes and nurse's responsibilities	<p><b>Drugs used on skin and mucous membranes</b></p> <ul style="list-style-type: none"> <li>▪ Topical applications for skin, eye, ear, nose and buccal cavity Antipruritics</li> </ul> <p>Composition, action, dosage,</p>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type

			route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
IX	8	Describe Drugs used on Nervous System and nurse's responsibilities	<p><b>Drugs acting on Nervous system</b></p> <ul style="list-style-type: none"> <li>➤ Basic &amp; applied Pharmacology of commonly used :</li> <li>➤ Analgesics and Anaesthetics <ul style="list-style-type: none"> <li>▪ Analgesics</li> <li>▪ Non steroidal anti-inflammatory (NSAID) drugs</li> <li>▪ Antipyretics</li> <li>▪ Hypnotics and Sedatives</li> </ul> </li> <li>➤ Opioids</li> <li>➤ Non-Opioids</li> <li>➤ Tranquilizers</li> <li>➤ General &amp; local anaesthetics</li> <li>➤ Gases : oxygen, nitrous oxide, carbon-dioxide</li> <li>➤ Cholinergic and anti-cholinergic: <ul style="list-style-type: none"> <li>▪ Muscle relaxants</li> <li>▪ Major tranquilizers</li> <li>▪ Anti-psychotics</li> <li>▪ Antidepressants</li> <li>▪ Anticonvulsants</li> <li>▪ Adrenergics</li> <li>▪ Noradrenergics</li> <li>▪ Mood stabilizers</li> <li>▪ Acetylcholine</li> <li>▪ Stimulants</li> </ul> </li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type
X	5	Describe Drugs used on Cardiovascular System and nurse's responsibilities	<p><b>Cardiovascular drugs</b></p> <ul style="list-style-type: none"> <li>▪ Haematinics</li> <li>▪ Cardiotonics</li> <li>▪ Anti anginals</li> <li>▪ Anti-hypertensive&amp;</li> </ul>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type

			<p>Vasodilators</p> <ul style="list-style-type: none"> <li>▪ Anti-arrhythmic</li> <li>▪ Plasma expanders</li> <li>▪ Coagulants &amp; anticoagulants</li> <li>▪ Antiplatelets &amp; thrombolytics</li> <li>▪ Hypolipidemics</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>		
XI	4	Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	<p><b>Drugs used for hormonal disorders &amp; supplementation, contraception and medical termination of pregnancy</b></p> <ul style="list-style-type: none"> <li>▪ Insulins &amp; Oral hypoglycaemic</li> <li>▪ Thyroid supplements and suppressants</li> <li>▪ Steroids, Anabolics</li> <li>▪ Uterine stimulants and relaxants</li> <li>▪ Oral contraceptives</li> <li>▪ Other estrogen-progestrone preparations</li> <li>▪ Corticotrophin &amp; Gonadotropines</li> <li>▪ Adrenaline</li> <li>▪ Prostaglandins</li> <li>▪ Calcitonins</li> <li>▪ Calcium salts</li> <li>▪ Calcium regulators</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	Lecture Discussion  Drug study/ presentation	Short answers  Objective type

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<b>XII</b>	6	Demonstrate awareness of the common drugs used in alternative system of medicine	<b>Introduction to Drugs used in alternative systems of medicine:</b>  Ayurveda, Homeopathy, Unani and Siddha etc.	Lecture Discussion  Observational Visits	Short answers  Objective type
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**Suggested Readings:**

1. Suresh K Sharma. "Textbook of Pharmacology, Pathology and Genetics for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2016.
2. KD Tripathi. "Essentials of Medical Pharmacology" 7<sup>th</sup> edition. JAYPEE Publication; 2013.
3. Padmaja Udaykumar. "Pharmacology for Nurses" 3<sup>rd</sup> edition. JAYPEE Publication; 2013.
4. GK Sudhakar. "Pharmacology for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2010.
5. Sarkar Subrata. "Pharmacology for Graduate Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2013.

**Subject Title: Pathology**

**Course Code: NURS-202**

**Placement:** Second Year

**Time:** Theory – 30 hours

**Course Description:** This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

Unit	Time		Objectives	Content	Teaching Methods	Learning	Assessment methods
	Th	Pr.					
I	3		Define the common terms used in pathology  Appreciate the deviations from normal to abnormal structure and functions of the body system	<b>Introduction</b> <ul style="list-style-type: none"> <li>➤ Importance of the study of pathology</li> <li>➤ Definition of terms</li> <li>➤ Methods and techniques</li> <li>➤ Cellular and Tissue changes</li> <li>➤ Infiltration and regeneration</li> <li>➤ Inflammations and Infections</li> <li>➤ Wound healing</li> <li>➤ Vascular changes</li> <li>➤ Cellular growth, Neoplasms</li> <li>➤ Normal and Cancer cell</li> <li>➤ Benign and Malignant growths</li> <li>➤ In situ carcinoma</li> <li>➤ Disturbances of fluid and electrolyte imbalance</li> </ul>	Lecture Discussion  Explain using charts	Short answers  Objective type	
II	10	5	Explain Pathological changes in disease conditions of various systems	<b>Special pathology</b> <ul style="list-style-type: none"> <li>➤ Pathological changes in disease conditions of various systems:</li> <li>➤ Respiratory tract                             <ul style="list-style-type: none"> <li>▪ Tuberculosis,</li> </ul> </li> </ul>	Lecture Discussion  Explain using charts, slides, specimen X-rays and scans  Visit to Pathology lab,	Short answers  Objective Type	

				<p>Bronchitis, Pleural effusion and pneumonia</p> <ul style="list-style-type: none"> <li>▪ Lung abscess, emphysema, bronchiectasis</li> <li>▪ Bronchial asthma, Chronic obstructive Pulmonary disease and tumours</li> </ul> <p>➤ Cardio-vascular system</p> <ul style="list-style-type: none"> <li>▪ Pericardial effusion</li> <li>▪ Rheumatic heart disease</li> <li>▪ Infective endocarditis, atherosclerosis</li> <li>▪ Ischemia, infarction &amp; aneurysm</li> </ul> <p>➤ Gastro Intestinal Tract</p> <ul style="list-style-type: none"> <li>▪ Peptic ulcer, typhoid</li> <li>▪ Carcinoma of GI tract- buccal, Esophageal,</li> <li>▪ Gastric &amp; intestinal</li> </ul> <p>➤ Liver, Gall bladder &amp; pancreas</p> <ul style="list-style-type: none"> <li>▪ Hepatitis, Chronic liver abscess, cirrhosis</li> <li>▪ Tumours of liver, gall bladder and pancreas,</li> <li>▪ Cholecystitis</li> </ul> <p>➤ Kidneys &amp; Urinary tract</p> <ul style="list-style-type: none"> <li>▪ Glomerulonephritis, pyelonephritis</li> <li>▪ Calculi, renal failure, renal carcinoma &amp; cystitis</li> </ul> <p>➤ Male genital systems</p> <ul style="list-style-type: none"> <li>▪ Cryptorchidism, testicular atrophy</li> <li>▪ Prostatic hyperplasia, carcinoma Penis &amp; prostate</li> </ul> <p>➤ Female genital system</p> <ul style="list-style-type: none"> <li>▪ Fibroids</li> <li>▪ Carcinoma cervix and</li> </ul>	<p>endoscopy unit and OT</p>	<p>Short answers</p> <p>Objective type</p>
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				<ul style="list-style-type: none"> <li>Endometrium</li> <li>▪ Vesicular mole, choriocarcinoma</li> <li>▪ Ectopic gestation</li> <li>▪ Ovarian cyst &amp; tumours</li> <li>➤ Cancer Breast</li> <li>➤ Central Nervous system</li> <li>▪ Hydrocephalus, Meningitis, encephalitis,</li> <li>▪ Vascular disorders – thrombosis, embolism</li> <li>▪ Stroke, paraplegia, quadriplegia</li> <li>▪ Tumours, meningiomas-gliomas</li> <li>➤ Metastatic tumour</li> <li>➤ Skeletal system                         <ul style="list-style-type: none"> <li>▪ Bone healing, osteoporosis, osteomyelitis</li> </ul> </li> <li>➤ Arthritis &amp; tumors</li> </ul>		
III	4	3	Describe various laboratory tests in assessment and monitoring of disease conditions	<p><b>Clinical pathology</b></p> <ul style="list-style-type: none"> <li>➤ Various blood and bone marrow tests in assessment and monitoring of disease conditions                         <ul style="list-style-type: none"> <li>▪ Haemoglobin</li> <li>▪ RBC, White cell &amp; platelet counts</li> <li>▪ Bleeding time, clotting time and prothrombine time</li> <li>▪ Blood grouping and cross matching</li> <li>▪ Blood chemistry</li> <li>▪ Blood culture</li> <li>▪ Serological and immunological tests</li> <li>▪ Other blood tests</li> <li>▪ Examination of Bone marrow</li> <li>▪ Methods of collection of blood specimen for various clinical</li> </ul> </li> </ul>	<p>Lecture Discussion</p> <p>Demonstration</p> <p>Visit to Clinical Pathology &amp; Bio-Chemistry lab and Blood bank</p>	<p>Short answers</p> <p>Objective type</p>

				pathology, biochemistry, microbiology tests, inference and normal values		
IV	2	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	<p><b>Examination of body cavity fluids, transudates and exudates</b></p> <ul style="list-style-type: none"> <li>➤ The laboratories tests used in CSF analysis</li> <li>➤ Examination of other body cavity fluids, transudates and exudates –sputum, wound discharge etc</li> <li>➤ Analysis of gastric and duodenal contents</li> <li>➤ Analysis of semen-sperm count, motility and morphology and their importance in infertility</li> <li>➤ Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values</li> </ul>	Lecture Discussion  Demonstration	Short answers  Objective type
V	1	1	Describe laboratory tests for examination of Urine and faeces	<p><b>Urine and faeces</b></p> <ul style="list-style-type: none"> <li>➤ Urine <ul style="list-style-type: none"> <li>▪ Physical characteristics</li> <li>▪ Analysis</li> <li>▪ Culture and sensitivity</li> </ul> </li> <li>➤ Faeces <ul style="list-style-type: none"> <li>▪ Characteristics</li> <li>▪ Stool examination: occult blood, ova, parasite and cyst, reducing substance etc.</li> </ul> </li> <li>➤ Methods of collection for various tests, inference and normal values</li> </ul>	Lecture Discussion  Demonstration	Short answers  Objective type

**Suggested Readings:**

1. Suresh K Sharma. "Textbook of Pharmacology, Pathology and Genetics for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2016.
2. K Swaminathan. "Pathology & Genetics for Nurses" 2<sup>nd</sup> edition. JAYPEE Publication; 2009.
3. Nayak. "General & Systemic Pathology- Exam Preparatory Manual for undergraduates" 1<sup>st</sup> edition. JAYPEE Publication; 2015.
4. Harshmohan. "Textbook of Pathology". 7<sup>th</sup> edition. JAYPEE Publication; 2015.
5. Garg & Gupta. "Review of Pathology & Genetics" 8<sup>th</sup> edition. JAYPEE Publication; 2016.

**Subject Title: Genetics**

**Course Code: NURS-202**

**Placement:** Second Year

**Time:** Theory – 15 hours

**Course Description:** This course is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases.

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	Explain nature, principles and perspectives of heredity	<b>Introduction :</b> <ul style="list-style-type: none"> <li>➤ Practical application of genetics in Nursing</li> <li>➤ Impact of genetic condition on families</li> <li>➤ Review of cellular division mitosis and meiosis.</li> <li>➤ Characteristics and structure of genes</li> <li>➤ Chromosomes – sex determination</li> <li>➤ Chromosomal aberrations</li> <li>Patterns of inheritance                             <ul style="list-style-type: none"> <li>▪ Mendelian theory of inheritance</li> <li>▪ Multiple allots and blood groups</li> <li>▪ Sex linked inheritance</li> <li>▪ Mechanism of inheritance</li> <li>▪ Errors in transmission (Mutation)</li> </ul> </li> </ul>	Lecture Discussion  Explain using charts, slides	Short answers  Objective type
II	3	Explain Maternal, prenatal and genetic influences on development of defects and diseases	<b>Maternal, prenatal and genetic influences on development of defects and diseases</b> <ul style="list-style-type: none"> <li>➤ Conditions affecting the mother : genetic and infections</li> <li>➤ Consanguinity atopy</li> <li>➤ Prenatal nutrition and food allergies</li> <li>➤ Maternal Age</li> <li>➤ Maternal drug therapy</li> <li>➤ Prenatal testing and diagnosis</li> <li>➤ Effect of Radiation, drugs and chemicals</li> </ul>	Lecture Discussion  Explain using charts, slides	Short answers  Objective type

			<ul style="list-style-type: none"> <li>➤ Infertility</li> <li>➤ Spontaneous abortion</li> <li>➤ Neural Tube Defects and the role of folic acid in lowering the risks</li> <li>➤ Down syndrome (Trisomy 21)</li> </ul>		
III	2	Explain the screening methods for genetic defects and diseases in neonates and children	<b>Genetic testing in the neonates and children</b> <ul style="list-style-type: none"> <li>➤ Screening for                             <ul style="list-style-type: none"> <li>▪ Congenital abnormalities</li> <li>▪ Developmental delay</li> <li>▪ Dysmorphism</li> </ul> </li> </ul>	Lecture Discussion  Explain using charts, slides	Short answers  Objective type
IV	2	Identify genetic disorders in adolescents and adults	<b>Genetic conditions of adolescents and adults</b> <ul style="list-style-type: none"> <li>▪ Cancer genetics – Familial Cancer</li> <li>▪ Inborn errors of metabolism</li> <li>▪ Blood group alleles and haematological disorder</li> <li>▪ Genetic haemochromatosis</li> <li>▪ Huntington’s disease</li> <li>▪ Mental illness</li> </ul>	Lecture Discussion  Explain using charts, slides	Short answers  Objective type
V	5	Describe the role of nurse in genetic services and counselling	<b>Services related to Genetics</b> <ul style="list-style-type: none"> <li>▪ Genetic testing</li> <li>▪ Human genome project</li> <li>▪ Gene therapy</li> <li>▪ The Eugenics movement</li> <li>▪ Genetic Counselling</li> </ul> Legal and Ethical issues Role of nurse	Lecture Discussion  Explain using charts, slides	Short answers  Objective type

**Suggested Readings:-**

1. Suresh K Sharma. “Textbook of Pharmacology, Pathology and Genetics for Nurses” 1<sup>st</sup> edition. JAYPEE Publication; 2016.
2. K Swaminathan. “Pathology & Genetics for Nurses” 2<sup>nd</sup> edition. JAYPEE Publication; 2009.
3. Suresh K Sharma. “Genetics & Genomics in Nursing” 3<sup>rd</sup> edition. JAYPEE Publication; 2016.
4. Garg & Gupta. “Review of Pathology & Genetics” 8<sup>th</sup> edition. JAYPEE Publication; 2016.
5. Panda Darshan. “Genetics for B.Sc Nursing”. 1<sup>st</sup> edition. JAYPEE Publication; 2017.

**Subject Title: Medical Surgical Nursing (Adult including Geriatrics) – I**

**Course Code: NURS-203**

**Placement:** Second Year

**Time:** Theory – 210 hours

Practical – 720 hours

**Course Description:** The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activities</b>	<b>Assessment methods</b>
I	15	<p>Appreciate the trends in medical and surgical nursing</p> <p>Describe the role of nurse in caring for adult patient in hospital and community</p> <p>Describe the concepts of medical surgical asepsis</p>	<p><b>Introduction :</b></p> <ul style="list-style-type: none"> <li>➤ Introduction to medical surgical nursing – Evolution and trends of medical and surgical nursing</li> <li>➤ Review of Concepts of Health and illness Disease - concepts, causations, classification diseases (ICD -10 or later version), Acute illness Chronic illness &amp; Terminal illness, stages of illness</li> <li>➤ Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process</li> <li>➤ Role of nurse, patient and family in care of adult patient</li> <li>➤ Role and responsibilities of a nurse in medical surgical settings :                             <ul style="list-style-type: none"> <li>▪ Outpatient department</li> <li>▪ In-patient unit</li> <li>▪ Intensive care unit</li> <li>▪ Home and Community settings</li> </ul> </li> <li>➤ Introduction to Medical Surgical asepsis                             <ul style="list-style-type: none"> <li>▪ Inflammation &amp; Infection</li> <li>▪ Immunity</li> <li>▪ Wound healing</li> </ul> </li> <li>➤ Care of Surgical Patient</li> </ul>	<p>Lecture Discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised clinical practice</p>	<p>Short Answers</p> <p>Objective Type</p> <p>Assessment of skills with check list</p>

			<ul style="list-style-type: none"> <li>▪ Pre-operative</li> <li>▪ Intra operative</li> <li>▪ Post operative</li> </ul>		
II	15	Describe the common signs, symptoms, problems and their Specific nursing interventions	<p><b>Common signs and symptoms and management</b></p> <ul style="list-style-type: none"> <li>➤ Fluid and electrolyte imbalance</li> <li>➤ Vomiting</li> <li>➤ Dyspnea and cough, respiratory obstruction</li> <li>➤ Fever</li> <li>➤ Shock</li> <li>➤ Unconsciousness, Syncope</li> <li>➤ Pain</li> <li>➤ Incontinence</li> <li>➤ Edema</li> <li>➤ Age related problems – geriatric</li> </ul>	Lecture Discussion  Seminar Case discussion	Short answers  Objective type
III	20	Describe the etiology, patho-physiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems	<p><b>Nursing management of patients (adults including elderly) with respiratory problems</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology of respiratory system,</li> <li>➤ Nursing Assessment –History and Physical assessment</li> <li>➤ Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of adults including elderly with –             <ul style="list-style-type: none"> <li>▪ Upper Respiratory tract infections</li> <li>▪ Bronchitis</li> <li>▪ Asthma</li> <li>▪ Emphysema</li> <li>▪ Empyema</li> <li>▪ Atelectasis</li> <li>▪ Chronic Obstructive Pulmonary Diseases (COPD)</li> <li>▪ Bronchiectasis</li> <li>▪ Pneumonia</li> <li>▪ Pulmonary tuberculosis</li> <li>▪ Lung abscess</li> <li>▪ Pleural effusion</li> </ul> </li> </ul>	Lecture Discussion  Explain using charts, graphs  Models, films, slides  Demonstration  Practice session Case discussions/ Seminar  Health education  Supervised clinical practice  Drug book/ presentation	Essay type  Short answers  Objective type  Assessment of skills with check list  Assessment of patient management problem

			<ul style="list-style-type: none"> <li>▪ Cysts and Tumours</li> <li>▪ Chest injuries</li> <li>▪ Respiratory arrest and insufficiency</li> <li>▪ Pulmonary embolism</li> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of respiratory disorders</li> </ul>		
IV	30	Describe the etiology, patho-physiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems	<p><b>Nursing management of patient (adults including elderly) with disorders of digestive system</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology of digestive system</li> <li>➤ Nursing Assessment –History and physical assessment</li> <li>➤ Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management</li> <li>➤ Disorders of             <ul style="list-style-type: none"> <li>▪ Oral cavity – lips, gums, tongue, salivary glands and teeth</li> <li>▪ Oesophagus-inflammation stricture, obstruction, bleeding and tumours</li> <li>▪ Stomach and duodenum-hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis</li> <li>▪ Small intestinal disorders-inflammation &amp; infection, enteritis, malabsorption, obstruction, tumour and perforation</li> </ul> </li> <li>➤ Large intestinal disorders-Colitis, inflammation and infection, obstruction and tumour and lump</li> <li>➤ Hernias</li> <li>➤ Appendix – inflammation, mass,</li> </ul>	<p>Lecture Discussion</p> <p>Explain using charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions/ Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>



			<ul style="list-style-type: none"> <li>abscess, rupture</li> <li>➤ Anal &amp; Rectum ; haemorrhoids, fissures, Fistulas</li> <li>➤ Peritonitis/acute abdomen</li> <li>➤ Pancreas; inflammation, cyst, abscess and tumours</li> <li>➤ Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours</li> <li>➤ Gall Bladder; inflammation, obstruction, stones and tumours</li> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of disorders of digestive system</li> </ul>		
V	30	<p>Describe the etiology, patho-physiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems</p> <p>Describe the vascular conditions and its nursing management</p>	<p><b>Nursing management of patient (adults including elderly) with blood and cardio vascular problems</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology of blood and cardio vascular system,</li> <li>➤ Nursing Assessment –History and Physical assessment</li> <li>➤ Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities &amp; medical, surgical, dietetics &amp; nursing management of –</li> <li>➤ Vascular system <ul style="list-style-type: none"> <li>▪ Hypertension, Hypotension</li> <li>▪ Artherosclerosis</li> <li>▪ Reynaud’s disease</li> <li>▪ Aneurism and Peripheral vascular disorders</li> </ul> </li> <li>➤ Heart <ul style="list-style-type: none"> <li>▪ Ischemic Heart Disease</li> <li>▪ Coronary atherosclerosis</li> <li>▪ Angina pectoris</li> <li>▪ Myocardial infarction</li> </ul> </li> <li>➤ Valvular disorders of the heart</li> </ul>	<p>Lecture Discussion</p> <p>Explain using charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions/ Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p> <p>Visit to blood</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

			<ul style="list-style-type: none"> <li>▪ Congenital and acquired</li> <li>▪ Rheumatic Heart diseases</li> <li>➤ Endocarditis, Pericarditis Myocarditis</li> <li>➤ Cardio Myopathies</li> <li>➤ Cardiac Dysrhythmia, Heart Block</li> <li>➤ Congestive cardiac failure</li> <li>▪ Cor-pulmonale, pulmonary edema, Cardiogenic shock, cardiac tamponade</li> <li>➤ Cardiac emergencies and arrest</li> <li>➤ Cardio Pulmonary Resuscitation (CPR)</li> <li>➤ Blood             <ul style="list-style-type: none"> <li>▪ Anaemia</li> <li>▪ Polycythemia</li> <li>▪ Bleeding disorders; clotting factor defects and platelets defects</li> <li>▪ Thalassemia</li> <li>▪ Leukaemia</li> <li>▪ Leukopenias and agranulocytosis</li> <li>▪ Lymphomas</li> <li>▪ Myelomas</li> </ul> </li> <li>➤ Special therapies</li> <li>▪ Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.</li> <li>▪ Management &amp; counsel-ling of blood donors, phlebotomy procedure, &amp; post donation management Blood bank functioning &amp; hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion</li> <li>▪ Role of a nurse in Organ donation, retrieval and banking</li> <li>➤ Alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of blood</li> </ul>	<p>bank</p> <p>Participation in blood donation camps</p> <p>Counselling Assessment of skills with check list Assessment of patient management problem</p>	
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			and cardio vascular disorders		
VI	10	Describe the etiology, patho-physiology Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	<p><b>Nursing management of patient (adults including elderly) with genito-urinary problems</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology of genito-urinary system</li> <li>➤ Nursing Assessment –History and Physical assessment</li> <li>➤ Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities &amp; medical, surgical, dietetics and nursing management of –</li> <li>➤ Nephritis</li> <li>➤ Nephrotic syndrome</li> <li>➤ Nephrosis</li> <li>➤ Renal calculus</li> <li>➤ Tumours</li> <li>➤ Acute renal failure</li> <li>➤ Chronic renal failure</li> <li>➤ End stage renal disease</li> <li>➤ Dialysis, renal transport</li> <li>➤ Congenital disorders, urinary infections</li> <li>➤ Benign prostate hypertrophy</li> <li>➤ Disorders of ureter, urinary bladder and urethra- inflammation, infection, stricture. obstruction, tumour, prostate</li> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of genito-urinary disorders</li> </ul>	<p>Lecture Discussion</p> <p>Explain using charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions/ Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>
VII	5	Describe the etiology, patho-physiology clinical manifestations, diagnostic measures and	<p><b>Nursing management of disorders of male (adults including elderly) reproductive system</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology of male reproductive system</li> <li>➤ Nursing Assessment -History and physical assessment</li> </ul>	<p>Lecture Discussion</p> <p>Explain using charts, graphs</p> <p>Models, films, slides</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p>

		management of patients (adults including elderly) with disorders of male reproductive system	<ul style="list-style-type: none"> <li>➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities &amp; medical, surgical, dietetics &amp; nursing management of disorders of male reproductive system</li> <li>➤ Congenital malformations; Cryptorchidism</li> <li>➤ Hypospadiasis, Epispadiasis</li> <li>➤ Infections</li> <li>➤ Testis and adjacent structures</li> <li>➤ Penis</li> <li>➤ Prostate: inflammation, infection, hypertrophy, tumour</li> <li>➤ Sexual Dysfunction</li> <li>➤ Infertility</li> <li>➤ Contraception</li> <li>➤ Breast ; gynaecomastia, tumour</li> <li>➤ Climacteric changes</li> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of disorders of male reproductive system</li> </ul>	<p>Demonstration</p> <p>Practice session</p> <p>Case discussions/ Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p>	<p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>
VIII	10	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system	<p><b>Nursing management of patient (adults including elderly) with disorders of endocrine system</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology endocrine system</li> <li>➤ Nursing Assessment -History and Physical assessment</li> <li>➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities &amp; medical, surgical, dietetics &amp; nursing management of –</li> <li>➤ Disorders of Thyroid and Parathyroid</li> <li>➤ Diabetes mellitus</li> <li>➤ Diabetes insipidus</li> </ul>	<p>Lecture</p> <p>Discussion</p> <p>Explain using charts, graphs Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions/ Seminar</p> <p>Health</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment</p>

			<ul style="list-style-type: none"> <li>➤ Adrenal tumour</li> <li>➤ Pituitary disorders</li> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of disorders of endocrine system</li> </ul>	<p>education</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>	<p>of patient management problem</p>
IX	10	Describe the etiology, patho-physiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin	<p><b>Nursing management of patient (adults including elderly) with disorders of Integumentary system</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology of Skin and its appendages</li> <li>➤ Nursing Assessment -History and Physical assessment</li> <li>➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities &amp; medical, surgical, dietetics &amp; nursing management of disorders of skin and its appendages</li> <li>▪ Lesions and abrasions</li> <li>▪ Infection and infestations; Dermatitis</li> <li>▪ Dermatoses ; infectious and Non infectious</li> </ul>	<p>Lecture</p> <p>Discussion</p> <p>Explain using charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions</p> <p>Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p> <p>Assessment of skills with check list</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

			<ul style="list-style-type: none"> <li>▪ “inflammatory Dermatoses”</li> <li>▪ Acne Vulgaris</li> <li>▪ Allergies and Eczema</li> <li>▪ Psoriasis</li> <li>▪ Malignant melanoma</li> <li>▪ Alopecia                             <ul style="list-style-type: none"> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of disorders of Integumentary system</li> </ul> </li> </ul>	Assessment of patient management problem	
X	15	Describe the etiology, patho-physiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo – skeletal system	<p><b>Nursing management of patient (adults including elderly) with musculo-skeletal problems</b></p> <ul style="list-style-type: none"> <li>➤ Review of anatomy and physiology of musculo-skeletal system</li> <li>➤ Nursing Assessment -History and Physical assessment</li> <li>➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities &amp; medical, surgical, dietetics &amp; nursing management of –</li> <li>➤ Disorders of :                             <ul style="list-style-type: none"> <li>▪ Muscles, Ligaments and Joints- inflammation, infection, trauma</li> <li>▪ Bones –inflammation, infection, dislocation, fracture, tumour and trauma</li> <li>▪ Osteomalacia and osteoporosis</li> <li>▪ Arthritis</li> <li>▪ Congenital deformities</li> <li>▪ Spinal column – defects &amp; deformities, Tumor, Prolapsed inter vertebral disc, pott’s spine</li> <li>▪ Paget’s disease                                     <ul style="list-style-type: none"> <li>▪ Amputation</li> <li>▪ Prosthesis</li> <li>▪ Transplant &amp; replacement surgeries</li> <li>▪ Rehabilitation</li> </ul> </li> </ul> </li> </ul>	Lecture Discussion  Explain using charts, graphs  Models, films, slides  Demonstration  Practice session  Case discussions/ Seminar  Health education  Supervised clinical practice  Drug book/ presentation  Assessment of skills with check List	Essay type  Short answers  Objective type  Assessment of skills with check list  Assessment of patient management problem

			<ul style="list-style-type: none"> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of disorders of musculoskeletal system</li> </ul>	Assessment of patient management problem	
XI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo – skeletal system	<p><b>Nursing management of patient (adults including elderly) with Immunological problems</b></p> <ul style="list-style-type: none"> <li>➤ Review of Immune system</li> <li>➤ Nursing Assessment -History and Physical assessment</li> <li>➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities &amp; medical, surgical, dietetics &amp; nursing management of – <ul style="list-style-type: none"> <li>➤ Immunodeficiency disorder</li> <li>➤ Primary Immuno deficiency</li> <li>➤ Phagocytic dysfunction</li> <li>➤ B-cell and T-cell deficiencies</li> <li>➤ Secondary Immuno-deficiencies</li> <li>➤ Acquired immunodeficiency syndrome (AIDS)</li> <li>➤ Incidence of HIV &amp; AIDS</li> <li>➤ Epidemiology</li> <li>➤ Transmission - Prevention of Transmission</li> <li>➤ Standard Safety precautions</li> <li>➤ Role of Nurse; Counselling</li> <li>➤ Health education and home care consideration</li> <li>➤ National AIDS Control Program- NACO, various national and international agencies</li> <li>➤ Infection control program</li> <li>➤ Rehabilitation</li> </ul> </li> </ul> <p>Special therapies, alternative</p>	<p>Lecture Discussion</p> <p>Explain using charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions/ Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p> <p>Orientation visit to Hospital Control system</p> <p>Assessment of skills with check list</p> <p>Assessment of patient</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

			therapies  Nursing procedures  Drugs used in treatment of disorders of immunological system	management problem	
XII	20	Describe the etiology, patho-physiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases	<p><b>Nursing management of patient (adults including elderly) with Communicable Diseases</b></p> <ul style="list-style-type: none"> <li>➤ Overview of infectious disease, the infectious process</li> <li>➤ Nursing Assessment -History and Physical assessment</li> <li>➤ Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common Communicable Diseases- <ul style="list-style-type: none"> <li>▪ Tuberculosis</li> <li>▪ Diarrhoeal diseases</li> <li>▪ Hepatitis A- E</li> <li>▪ Herpes</li> <li>▪ Chickenpox</li> <li>▪ Smallpox</li> <li>▪ Typhoid</li> <li>▪ Meningitis</li> <li>▪ Gas gangrene</li> <li>▪ Leprosy</li> <li>▪ Dengue</li> <li>▪ Plague</li> <li>▪ Malaria</li> <li>▪ Diphtheria</li> <li>▪ Pertussis</li> <li>▪ Poliomyelitis</li> <li>▪ Measles</li> <li>▪ Mumps</li> <li>▪ Influenza</li> <li>▪ Tetanus</li> <li>▪ Yellow fever</li> <li>▪ Filiariasis</li> <li>▪ HIV, AIDS</li> </ul> </li> <li>➤ Reproductive Tract Infections</li> <li>➤ Special Infection control</li> </ul>	Lecture Discussion  Explain using charts, graphs  Models, films, slides  Demonstration  Practice session  Case discussions/ Seminar  Health education  Supervised clinical practice Drug book/ presentation  Assessment of skills with check list  Assessment of patient management problem	Essay type  Short answers  Objective type  Assessment of skills with check list  Assessment of patient management problem



			<p>measures : Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals</p> <ul style="list-style-type: none"> <li>➤ Special therapies, alternative therapies</li> <li>➤ Nursing procedures</li> <li>➤ Drugs used in treatment of Communicable diseases</li> </ul>		
XIII	25	<p>Describe the Organisation and physical set up of operation theatre</p> <p>Identify the various instruments and equipments used for common surgical procedures</p> <p>Describe the infection control measures in the operation theatre</p> <ul style="list-style-type: none"> <li>• Describe the role of the nurse in the Peri Operative nursing care</li> </ul>	<p><b>Peri operative nursing:</b></p> <ul style="list-style-type: none"> <li>➤ Organisation and Physical set up of the Operation Theatre (OT) : <ul style="list-style-type: none"> <li>▪ Classifications</li> <li>▪ O.T. DESIGN</li> <li>▪ Staffing</li> <li>▪ Members of the OT team</li> <li>▪ Duties and responsibilities of nurse in O.T.</li> <li>▪ Principles of Health and operating room attire</li> <li>▪ Instruments,</li> <li>▪ Sutures &amp; suture materials</li> <li>▪ Equipments</li> <li>▪ O.T. tables and sets for common surgical procedures</li> <li>▪ Positions and draping for common surgical procedures</li> <li>▪ Scrubbing procedures</li> <li>▪ Gowning and gloving</li> <li>▪ Preparation of O.T. Sets</li> <li>▪ Monitoring the patient during surgical procedures</li> </ul> </li> <li>➤ Maintenance of therapeutic environment in O.T</li> <li>➤ Standard Safety measures <ul style="list-style-type: none"> <li>▪ Infection control ; fumigation, disinfection and sterilisation</li> <li>▪ Biomedical waste management</li> <li>▪ Prevention of accidents and hazards in O.T.</li> </ul> </li> <li>➤ Anesthesia <ul style="list-style-type: none"> <li>▪ Types</li> <li>▪ Methods of administration</li> <li>▪ Effects and Stages</li> </ul> </li> </ul>	<p>Lecture Discussion</p> <p>Explain using charts, graphs, Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised clinical practice</p> <p>Drug book/ presentation</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

			<ul style="list-style-type: none"><li>▪ Equipments</li><li>▪ Drugs</li><li>➤ Cardio Pulmonary Resuscitation (CPR)</li><li>➤ Pain management techniques</li><li>➤ Legal Aspects</li></ul>		
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**Suggested Readings:**

1. Suresh K Sharma. "Textbook of Medical Surgical Nursing" 3<sup>rd</sup> edition. Wolters Kluwer Publication; 2017.
2. Joyce M. Black. "Medical Surgical Nursing" 7<sup>th</sup>&8<sup>th</sup> edition.
3. Brunner & Siddarth. "Medical Surgical Nursing" 13 edition, South Asian Edition, Wolter kluwer limited.
4. Linda S Williams & Hopper. "Understanding Medical Surgical Nursing" 5<sup>th</sup> edition. JAYPEE Publication; 2015.
5. Deepak Sethi & Kirti Rani. "Medical Surgical Nursing I & II" 1<sup>st</sup> edition. JAYPEE Publication; 2016.

**Medical Surgical Nursing -I Practical**

**(Adult including Geriatrics)**

**Placement:** Second Year

**Time:**720 hours

<b>Areas</b>	<b>Durati on (in week)</b>	<b>Objectives</b>	<b>Skills</b>	<b>Assignments</b>	<b>Assessment Methods</b>
General Medical Ward (Respiratory, GI, Endocrine, Renal, Haematology)	6	<p>Provide nursing care to adult patients with medical disorders</p> <p>Counsel and educate patients and families</p>	<ul style="list-style-type: none"> <li>• Assessment of the patient                             <ul style="list-style-type: none"> <li>▪ Taking history</li> <li>▪ Perform general and specific physical examination</li> <li>▪ Identify alterations and deviations</li> </ul> </li> <li>• Practice medical surgical asepsis-standard safety measures</li> <li>• Administer medications                             <ul style="list-style-type: none"> <li>▪ Oral, IV, IM, Subcutaneous</li> </ul> </li> <li>• IV therapy                             <ul style="list-style-type: none"> <li>▪ IV canulation</li> <li>▪ Maintenance and monitoring</li> </ul> </li> <li>• Oxygen therapy by different methods</li> <li>• Nebulization</li> <li>• Chest physiotherapy</li> <li>• Naso gastric feeding</li> <li>• Assist in common diagnostic</li> <li>• Perform/Assist in therapeutic procedures</li> <li>• Blood and component therapy</li> </ul>	<p>Plan and give care to 3 - 4 assigned patients</p> <p>Nursing care plan-2</p> <p>Nursing case study/ presentation – 1</p> <p>Drug presentation- 1</p> <p>Maintain drug book</p> <p>Maintain Practical record book</p>	<p>Assess performance with rating scale</p> <p>Assess each skill with checklist</p> <p>Evaluation of case study/pre- sentation</p> <p>Completion of practical record</p>

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			<ul style="list-style-type: none"> <li>• Throat Suctioning</li> <li>• Collect specimens for common investigations</li> <li>• Maintain elimination                         <ul style="list-style-type: none"> <li>▪ Catheterisation</li> <li>▪ Bowel wash</li> <li>▪ Enema</li> <li>▪ Urinary drainage</li> </ul> </li> <li>• Maintain Intake, output and documentation</li> <li>• Counsel and teach related to specific disease conditions</li> </ul>		
General Surgical Ward (GI, Urinary, CTVS)	6	<p>Provide pre and post operative nursing care to adult patients with surgical disorders</p> <p>Counsel and educate patients and families</p>	<ul style="list-style-type: none"> <li>• Practice medical surgical asepsis-standard safety measures</li> <li>• Pre operative preparation of patients</li> <li>• Post operative care- Receiving pt, assessment, monitoring care</li> <li>• Care of wounds and drainage</li> <li>• Suture removal</li> <li>• Ambulation and exercise</li> <li>• Naso gastric aspiration</li> <li>• Care of chest drainage</li> <li>• Ostomy care                         <ul style="list-style-type: none"> <li>▪ Gastrostomy</li> <li>▪ Colostomy</li> </ul> </li> <li>• Blood &amp; component therapy</li> <li>• Practice universal precautions</li> </ul>	<p>Plan and give care to 3 - 4 assigned patients</p> <p>Nursing care plan-2</p> <p>Nursing case study/ presentation – 1</p> <p>Maintain drug book</p>	<p>Assess performance with rating scale</p> <p>Assess each skill with checklist</p> <p>Evaluation of case study/pre- presentation</p> <p>Completion of activity record</p>
Cardiology	2	Provide nursing care	<ul style="list-style-type: none"> <li>• Physical examination of cardio vascular</li> </ul>	Plan and give care to 2 - 3	Assess performance with

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ward		to patients with cardiac disorders  Counsel and educate patients and families	system Recording and interpreting ECG <ul style="list-style-type: none"> <li>• Monitoring of patients</li> <li>• Preparation and assisting in non-invasive and invasive diagnostic procedures</li> <li>• Administer cardiac drugs</li> <li>• Cardio pulmonary Resuscitation</li> <li>• Teach patients and families</li> <li>• Practice medical and surgical asepsis – Standard safety measures</li> </ul>	assigned patients  Nursing care plan-1  Nursing case study/ presentation/ Health talk – 1  Maintain drug book	rating scale  Assess each skill with checklist  Evaluation of case study/pre- presentation/health talk  Completion of activity record
Skin & Communicable diseases Ward	1	Identify skin problems  Provide nursing care to patients with skin disorders & Communicable diseases  Counsel and educate patients and families	<ul style="list-style-type: none"> <li>• Assessment of patients with skin disorders</li> <li>• Assist in diagnostic and therapeutic procedures</li> <li>• Administer topical medication</li> <li>• Practice medical surgical asepsis – Standard safety measures</li> <li>• Use of personal protective equipment (PPE)</li> <li>• Give medicated baths</li> <li>• Counselling HIV positive patients</li> <li>• Teach prevention of infectious diseases</li> </ul>	Plan and give care to 2 - 3 assigned patients  Health talk /Counselling HIV positive patients and families –1  Maintain drug book	Assess performance with rating scale  Evaluation health talk /Counselling session  Completion of activity record
Orthopaedic ward	2	Provide nursing care to patients with musculo	<ul style="list-style-type: none"> <li>• Assessment of orthopaedic patients</li> <li>• Assist in application of plaster cast and</li> </ul>	Plan & give care to 2-3 assigned patients	Assess performance with rating scale

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		<p>-skeletal disorders</p> <p>Counsel and educate patients and families</p>	<p>removal of cast</p> <ul style="list-style-type: none"> <li>• Apply skin traction-buck's extension traction</li> <li>• Assist in application and removal of prosthesis</li> <li>• Physiotherapy - Range of motion exercises (ROM), muscle strengthening exercises</li> <li>• Crutch manoeuvring technique</li> <li>• Activities of daily living</li> <li>• Ambulation</li> <li>• Teach and counsel patients &amp; families</li> </ul>	<p>Nursing care plan-1</p> <p>Nursing case study/ presentation – 1</p> <p>Maintain drug book</p>	<p>Evaluation of nursing care plan&amp; nursing case study /presentation</p> <p>Completion of activity record</p>
Operation Theatre	6	<p>Identify instruments used in common operations</p> <p>Participate in Infection control practices in the Operation Theatre</p> <p>Set-up the table/ trolleys for common operative procedures</p> <p>Assist in giving anaesthesia</p> <p>Assist in the</p>	<ul style="list-style-type: none"> <li>• Scrubbing, gowning gloving</li> <li>• Identify instruments suturing materials for common operations</li> <li>• Disinfection, Carbolization, fumigation</li> <li>• Preparation of instrument sets for common operations</li> <li>• Sterilization of sharps and other instruments</li> <li>• Prepare the OT table depending upon the operation</li> <li>• Positioning and monitoring of patients</li> <li>• Endotracheal intubation</li> <li>• Assisting in minor</li> </ul>	<p>Assist as a circulatory nurse in</p> <p>Major cases-10</p> <p>Minor cases – 5</p> <p>Assist as a scrub nurse in</p> <p>Major cases-10</p> <p>Minor cases – 5</p> <p>Maintain drug book</p>	<p>Assess performance with rating scale</p> <p>Completion of activity record</p>

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		operative procedures  Provide peri operative nursing care	and major operations <ul style="list-style-type: none"> <li>• Handling specimens</li> <li>• Disposal of waste as per the guidelines</li> </ul>		
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**Internship**

**Time:** 260 hours (9 weeks)

<b>Areas</b>	<b>Duration (in week)</b>	<b>Objectives</b>	<b>Skills</b>	<b>Assignments</b>	<b>Assessment Methods</b>
ICU, CCU, CARDIAC OT	2	To gain proficiency in ICU nursing  Develop advance skill in special procedures used in critical care unit  Identify potential problems and provide accordingly  Skill in setting and handling ventilator  Administer injection in infusion pump  Record accurately findings and medications  Develop IPR	<ul style="list-style-type: none"> <li>• Assist in arterial puncture for blood gas analysis</li> <li>• Perform ECG and interpret accordingly.</li> <li>• Conduct &amp; analysis pulse oximetry</li> <li>• Care with artificial airway</li> <li>• Assist in endotracheal intubation</li> <li>• Setting up ventilator</li> <li>• Giving care in ventilator</li> <li>• Drug sheet</li> <li>• Observation of special procedure in OT.</li> </ul>	Arterial puncture –5  Taking out ECG stripe –5  Tracheal suction-5  For all assigned patients  Oxygen administration by CPAP masks and use Ambu bag.  Assessment for all assigned patients  Nursing care in ventilator  Drug sheet	Record book  Checking with supervisor

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		with family members Acquaint with OT technique			
Neuro ICU, ITU, OT	2	Develop skill in neurological assessment  Give care to the pt with head injury and spinal injury  Care with chest surgery and cranial surgery	<ul style="list-style-type: none"> <li>Assess neurological status</li> <li>Implement care to head injury spinal injury patients</li> <li>Drug sheet</li> <li>Pre and postoperative care with Neuro surgery patients</li> </ul>	Assessment for all assigned patients  Nursing care plan-2  Drug sheet	Record book  Observation checklist
Burns & plastic Reconstructive surgery	2	Assess the severity of burns Administer rehydration therapy  Observe reconstructive surgery	<ul style="list-style-type: none"> <li>Nursing care</li> </ul>		Record book
OT Laparoscopic Orthopaedic Eye ENT	3	Identify instruments  Assist in OT set up Supervise sterilization  Assist in OT table lay out  Observe immediately after operation  Supervise infection control		Assist - 5 cases	Record book



**Subject Title: Community Health Nursing – I      Course Code: NURS-204**

**Placement:** Second Year

**Time:** Theory – 90 hours

**Practical – 135 hours**

**Course Description:** This course is designed for students to appreciate the principles of promotion and maintenance of health

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Methods</b>	<b>Assessment methods</b>
I	2	Describe concept and dimensions of health	<b>Introduction</b> <ul style="list-style-type: none"> <li>➤ Community health nursing</li> <li>➤ Definition, concept and dimensions of health</li> <li>➤ Promotion of health</li> <li>➤ Maintenance of health</li> </ul>	Lecture discussion	Essay type  Short answers
II	20	Describe determinants of health	<b>Determinants of health</b> <ul style="list-style-type: none"> <li>➤ Eugenics</li> <li>➤ Environment : <ul style="list-style-type: none"> <li>▪ Physical : Air, light, Ventilation, Water, Housing, Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate,</li> <li>Communication: infrastructure facilities and Linkages</li> <li>▪ Acts regulating the environment: National Pollution control board</li> <li>▪ Bacterial &amp; viral: Agents, host carriers and immunity</li> <li>▪ Arthropods and Rodents</li> </ul> </li> <li>➤ Food hygiene: Production, Preservation, Purchase, Preparation, Consumption</li> <li>➤ Acts regulating food hygiene- Prevention of food adulteration act, drugs and cosmetic act</li> <li>➤ Socio-cultural <ul style="list-style-type: none"> <li>▪ Customs, taboos</li> </ul> </li> </ul>	Lecture discussion  Explain using Charts, graphs, Models, films, slides  Visits to water supply, sewage disposal, milk plants, slaughter house etc	Essay type  Short answers  Objective type

			<ul style="list-style-type: none"> <li>▪ Marriage system</li> <li>▪ Family structure</li> <li>▪ Status of special groups; Females, Children, Elderly, challenged groups and Sick persons.</li> <li>➤ Life Style</li> <li>➤ Hygiene</li> <li>➤ Physical activity             <ul style="list-style-type: none"> <li>▪ Recreation and sleep</li> <li>▪ Sexual life</li> <li>▪ Spiritual life philosophy</li> <li>▪ Self reliance</li> <li>▪ Dietary pattern</li> <li>▪ Education</li> <li>▪ Occupation</li> </ul> </li> <li>➤ Financial Management             <ul style="list-style-type: none"> <li>▪ Income</li> <li>▪ Budget</li> <li>▪ Purchasing power</li> <li>▪ Security</li> </ul> </li> </ul>		
III	10	Describe concept, scope, uses methods and approaches of epidemiology	<p><b>Epidemiology</b></p> <ul style="list-style-type: none"> <li>➤ Definition, concept, aims, scope, uses and terminology used in epidemiology.</li> <li>➤ Dynamics of disease transmission : epidemiological triad</li> <li>➤ Morbidity and mortality: measurements.</li> <li>➤ Levels of prevention</li> <li>➤ Methods of epidemiology of             <ul style="list-style-type: none"> <li>▪ Descriptive</li> <li>▪ Analytical: Epidemic investigation.</li> <li>▪ Experimental</li> </ul> </li> </ul>	Lecture discussion  Explain using Charts, graphs  Models, films, slides	Essay type  Short answers
IV	25	Describe Epidemiology and nursing management of common Communicable diseases	<p><b>Epidemiology and nursing management of common Communicable Diseases</b></p> <ul style="list-style-type: none"> <li>➤ Respiratory infections             <ul style="list-style-type: none"> <li>▪ Small Pox</li> <li>▪ Chicken Pox</li> <li>▪ Measles</li> <li>▪ Influenza</li> </ul> </li> </ul>	Lecture discussion  Explain using Charts, graphs  Models, films, slides	Essay type  Short answers  Object type

			<ul style="list-style-type: none"> <li>▪ Rubella</li> <li>▪ ARI's &amp; Pneumonia</li> <li>▪ Mumps</li> <li>▪ Diphtheria</li> <li>▪ Whooping cough</li> <li>▪ Meningococcal meningitis</li> <li>▪ Tuberculosis</li> <li>▪ SARS</li> <li>➤ Intestinal Infections <ul style="list-style-type: none"> <li>▪ Poliomyelitis</li> <li>▪ Viral Hepatitis</li> <li>▪ Cholera</li> <li>▪ Diarrhoeal diseases</li> <li>▪ Typhoid Fever</li> <li>▪ Food poisoning</li> <li>▪ Amoebiasis</li> <li>▪ Hook worm infection</li> <li>▪ Ascariasis</li> <li>▪ Dracunculiasis</li> </ul> </li> <li>➤ Arthropod infections <ul style="list-style-type: none"> <li>□ Dengue</li> <li>□ Malaria</li> <li>□ Filiarisis</li> </ul> </li> <li>➤ Zoonoses <ul style="list-style-type: none"> <li>▪ Viral <ul style="list-style-type: none"> <li>▪ Rabies</li> <li>▪ Yellow fever</li> <li>▪ Japanese encephalitis</li> <li>▪ Kyasnur Forest Disease</li> </ul> </li> </ul> </li> <li>➤ Bacterial <ul style="list-style-type: none"> <li>▪ Brucellosis</li> <li>▪ Plague</li> <li>▪ Human Salmonellosis</li> <li>▪ Anthrax</li> <li>▪ Leptospirosis</li> </ul> </li> <li>➤ Rickettsial diseases <ul style="list-style-type: none"> <li>▪ Rickettsial Zoonoses</li> <li>▪ Scrub typhus</li> <li>▪ Murine typhus</li> <li>▪ Tick typhus</li> <li>▪ Q fever</li> </ul> </li> <li>➤ Parasitic Zoonoses <ul style="list-style-type: none"> <li>▪ Taeniasis</li> <li>▪ Hydatid disease</li> <li>▪ Leishmaniasis</li> </ul> </li> </ul>	<p>Seminar</p> <p>Supervised field practice - health centers, clinics and homes</p> <p>Group projects/ Health education</p>	
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			<ul style="list-style-type: none"> <li>➤ Surface infection             <ul style="list-style-type: none"> <li>▪ Trachoma</li> <li>▪ Tetanus</li> <li>▪ Leprosy</li> <li>▪ STD &amp; RTI</li> <li>▪ Yaws</li> <li>▪ HIV/AIDS</li> <li>▪ Any other</li> </ul> </li> </ul>		
V	10	Describe Epidemiology and nursing management of common Non-communicable diseases	<b>Epidemiology and nursing management of Non - communicable diseases</b> <ul style="list-style-type: none"> <li>➤ Malnutrition: under nutrition, over nutrition, nutritional deficiencies</li> <li>➤ Anemia</li> <li>➤ Hypertension</li> <li>➤ Stroke</li> <li>➤ Rheumatic Heart Disease</li> <li>➤ Coronary Heart Disease</li> <li>➤ Cancer</li> <li>➤ Diabetes mellitus</li> <li>➤ Blindness</li> <li>➤ Accidents</li> <li>➤ Mental illness</li> <li>➤ Obesity</li> <li>➤ Iodine deficiency</li> <li>➤ Fluorosis</li> <li>➤ Epilepsy</li> </ul>	Lecture discussion  Explain using Charts, graphs  Models, films, slides  Seminar  Supervised field practice - health centers, clinics and homes Group projects/ Health education	Essay type  Short answers  Object type
VI	6	Describe the concepts & scope of Demography  Describe methods of data collection, analysis & interpretation of demographic data	<b>Demography</b> <ul style="list-style-type: none"> <li>• Definition, concept and scope</li> <li>• Methods of collection, analysis &amp; interpretation of demographic data</li> <li>• Demographic rates and ratios</li> </ul>	Lecture discussion  Community identification survey  Assessment of survey report	Essay type  Short answers  Objective type
VII	17	Identify the impact of	<b>Population and its control</b> <ul style="list-style-type: none"> <li>➤ Population explosion and its</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	Essay type

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	<p>population explosion in India</p> <p>Describe methods of population control</p>	<p>impact on social, economic development of individual, society and country</p> <p>➤ Population control :</p> <ul style="list-style-type: none"> <li>▪ Overall development: Women empowerment, social, economic and educational development</li> <li>➤ Limiting family size :</li> <li>▪ Promotion of small family norm</li> <li>▪ Methods : spacing (natural, biological, chemical, mechanical methods etc)</li> <li>▪ Terminal : surgical methods</li> <li>▪ Emergency contraception</li> </ul>	<ul style="list-style-type: none"> <li>• Population survey</li> <li>• Counselling</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised field practice</li> <li>• Assessment of survey report</li> </ul>	<p>Short answers</p> <p>Objective type</p>
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**Suggested Readings:**

1. K. Park. "Preventive and Social Medicine" 21<sup>st</sup> edition Banarsidas Bhamt Publishers;2012
2. Park K. "Essentials of Community Health Nursing" 5<sup>th</sup>edition. Banarsidas Bhamt Publishers; 2012.
3. S Kamalam. "Essentials in Community Health Nursing" 3<sup>rd</sup> edition. JAYPEE Publication; 2017.
4. Cecy Correia. "Comprehensive Community Health Nursing" 1<sup>st</sup> edition. JAYPEE Publication; 2011.
5. I Clement. "Basic Concepts of Community Health Nursing" 2<sup>nd</sup> edition. JAYPEE Publication; 2011.

## Community Health Nursing I – Practical

**Placement:** Second Year

**Time:** Practical – 135 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	2 wks urban and 2 wks rural	<p>Build and Maintain rapport</p> <p>Identify demographic characteristics, health determinants &amp; community health resources</p> <p>Diagnose health needs of individual and families</p> <p>Provide primary care in health centre</p> <p>Counsel &amp; educate individual, family &amp; community</p>	<ul style="list-style-type: none"> <li>• Use techniques of inter-personal relationship</li> <li>• Identification of health determinants of community</li> <li>• History taking</li> <li>• Physical examination</li> <li>• Collect specimens- sputum, malaria smear</li> <li>• Perform simple lab tests at centre - blood for Haemoglobin and sugar, urine for albumin and sugar</li> <li>• Administer vaccines and medications to adults</li> <li>• Counsel and teach individual, family and community                             <ul style="list-style-type: none"> <li>▪ Nutrition</li> <li>▪ Hygiene</li> <li>▪ Self health monitoring</li> <li>▪ Seeking health services</li> <li>▪ Healthy life style</li> <li>▪ Family welfare methods</li> <li>▪ Health promotion</li> </ul> </li> </ul>	<p>To work with 2 assigned families each in urban &amp; rural</p> <p>Family study – 1</p> <p>Observation report of community – 1</p> <p>Health talks 2 (1 in urban &amp; in rural)</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>Evaluation of family study, observation report and health talk</p> <p>Completion of activity record</p>

**Subject Title: Communication & Educational Technology**

**Course code: NURS-205**

**Placement:** Second Year

**Time:** Theory – 60+30 hours

**Course Description:** This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and group in clinical, community health and educational settings.

Unit	Time		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	5		Describe the communication process  Identify techniques of effective communication	<b>Review of Communication Process</b> <ul style="list-style-type: none"> <li>➤ Process; elements and channel</li> <li>➤ Facilitators</li> <li>➤ Barriers and methods of overcoming</li> <li>➤ Techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Role plays</li> <li>• Exercises with audio/video tapes</li> <li>• Respond to critical incidents</li> </ul>	Respond to critical incidents  Short answers  Objective type
II	5		Establish effective interpersonal relations with patients families & co-workers	<b>Interpersonal relations</b> <ul style="list-style-type: none"> <li>➤ Purpose &amp; types</li> <li>➤ Phases</li> <li>➤ Barriers &amp; methods of overcoming</li> <li>➤ Johari Window</li> </ul>	Lecture Discussion  Role plays  Exercises with audio/video tapes Process recording	Short Answer  Objective type
III	5		Develop effective human relations in context of nursing	<b>Human relations</b> <ul style="list-style-type: none"> <li>➤ Understanding self</li> <li>➤ Social behaviour, motivation, social attitudes</li> <li>➤ Individual and groups</li> <li>➤ Groups &amp; individual</li> <li>➤ Human relations in context of nursing</li> <li>➤ Group dynamics</li> <li>➤ Team work</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Sociometry</li> <li>• Group games</li> <li>• Psychometric exercises followed by discussion</li> <li>• Respond to critical incidents</li> </ul>	<ul style="list-style-type: none"> <li>• Short Answer</li> <li>• Objective type</li> <li>• Respond to test based on critical Incidents</li> </ul>

IV	10	5	Develop basic skill of counselling and guidance	<p><b>Guidance &amp; counseling</b></p> <ul style="list-style-type: none"> <li>➤ Definition</li> <li>➤ Purpose, scope &amp; need</li> <li>➤ Basic principles</li> <li>➤ Organization of counselling services</li> <li>➤ Types of counselling approaches</li> <li>➤ Role and preparation of counsellor</li> <li>➤ Issues for counselling in nursing: students and practitioners</li> <li>➤ Counselling process – steps &amp; techniques, tools of counsellor</li> <li>➤ Managing disciplinary problems</li> <li>➤ Management of crisis &amp; referral</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Role play on counselling in different situations followed by discussion</li> <li>• Assess performance in role play situations</li> </ul>	<p>Short Answer</p> <p>Objective type</p> <p>Assess performance in role play situations</p>
V	5		Describe the philosophy & principles of education  Explain the teaching learning process	<p><b>Principles of education &amp; teaching learning process</b></p> <ul style="list-style-type: none"> <li>➤ Education: meaning, philosophy, aims, functions &amp; Principles</li> <li>➤ Nature and characteristics of learning,</li> <li>➤ Principles and maxims of teaching,</li> </ul> <p><b>Formulating objectives: general and specific</b></p> <ul style="list-style-type: none"> <li>➤ Lesson planning</li> <li>➤ Classroom management</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Prepare lesson plan</li> <li>• Micro teaching</li> <li>• Exercise on writing objectives</li> <li>• Assess lesson plans &amp; teaching sessions</li> </ul>	<p>Short Answer</p> <p>Objective type</p> <p>Assess lesson plans &amp; teaching sessions</p>
VI	10	10	Demonstrate teaching skill using various teaching methods in clinical, classroom & community settings	<p><b>Methods of teaching</b></p> <ul style="list-style-type: none"> <li>➤ Lecture, demonstration, group discussion, seminar, symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Conduct 5 teaching sessions using different methods &amp; media</li> </ul>	<p>Short Answer</p> <p>Objective type</p> <p>Assess teaching sessions</p>



				<p>instruction, computer assisted learning, micro teaching problem based learning, Self instructional module and simulation etc.</p> <p>➤ Clinical teaching methods : case method, nursing round &amp; reports, bedside clinic, conference (individual &amp; group) process recording</p>	<ul style="list-style-type: none"> <li>• Assess teaching sessions</li> </ul>	
VII	10	8	<p>Prepare and use different types of educational media effectively</p>	<p><b>Educational media</b></p> <p>➤ Purposes &amp; types of A.V. Aids, principles and sources etc.</p> <p>➤ Graphic aids: chalk board, chart, graph, poster, flash cards, flannel graph, bulletin, cartoon</p> <p>➤ Three dimensional aids : objects, specimens, models, puppets</p> <p>➤ Printed aids: pamphlets &amp; leaflets</p> <p>➤ Projected aids : slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD</p> <p>➤ Audio aids : tape recorder public address system</p> <p>➤ Computer</p>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> <li>• Prepare different teaching aids- projected &amp; non projected</li> <li>• Assess the teaching aids prepared</li> </ul>	<p>Short Answer</p> <p>Objective type</p> <p>Assess the teaching aids prepared</p>
VIII	5	7	<p>Prepare different types of questions for assessment of knowledge, skills and attitudes</p>	<p><b>Assessment</b></p> <p>➤ Purpose &amp; scope of evaluation &amp; assessment</p> <p>➤ Criteria for selection of assessment techniques and methods</p> <p>➤ Assessment of</p>	<p>Lecture Discussion</p> <p>Exercise on writing different types of assessment tools</p>	<p>Short Answer</p> <p>Objective type</p> <p>Assess the strategies used</p>

				<p>knowledge : essay type questions, Short answer questions (SAQ), Multiple choice questions (MCQ)</p> <ul style="list-style-type: none"> <li>➤ Assessment of skills : observation checklist, practical exam, Viva, Objective structured</li> <li>➤ clinical examination (OSCE)</li> <li>➤ Assessment of Attitudes: Attitude scales</li> </ul>		<p>in practice teaching sessions and exercise sessions</p>
IX	5		<p>Teach individuals, groups and communities about health with their active participation</p>	<p><b>Information, Education &amp; communication for health (IEC)</b></p> <ul style="list-style-type: none"> <li>➤ Health behaviour &amp; health education</li> <li>➤ Planning for health education</li> <li>➤ Health education with individuals, groups &amp; communities</li> <li>➤ Communicating health messages                             <ul style="list-style-type: none"> <li>➤ Methods &amp; media for communicating health messages</li> <li>➤ Using mass media</li> <li>➤ Assess the strategies used in practice teaching sessions and exercise sessions</li> </ul> </li> </ul>	<p>Lecture Discussion</p> <p>Plan &amp; conduct health education sessions for individuals, group &amp; communities</p> <p>Assess the planning &amp; conduct of the educational session</p>	<p>Short Answer</p> <p>Objective type</p> <p>Assess the planning &amp; conduct of the educational session</p>

**Suggested Readings:**

1. Pramila R. "Nursing Communication & Educational Technology" 1<sup>st</sup> edition. JAYPEE Publication; 2010.
2. KP Neeraja. "Textbook of Communication and Education Technology for Nurses" 1<sup>st</sup> edition. JAYPEE Publication; 2011
3. Mukesh Chandra Sharma. "Textbook of Nursing Education" 1<sup>st</sup> edition. JAYPEE Publication; 2013.
4. Suresh K Sharma. "Communication & Education Technology".
5. R Sudha. "Nursing Education-Principles & Concepts" 1<sup>st</sup> edition. JAYPEE Publication; 2013.

Subject Title: Medical Surgical Nursing (Adult including Geriatrics) – II

Course Code: NURS-301

Placement: Third Year

Time: Theory – 120 hours

Practical – 270 hours

**Course Description:** The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	15	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat	<p><b>Nursing management of patient with disorders of Ear Nose and Throat</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the Ear Nose and Throat</li> <li>• Nursing assessment- History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing management of Ear Nose &amp; Throat disorders:                             <ul style="list-style-type: none"> <li>○ External ear: deformities otalgia, foreign bodies, and tumors</li> <li>○ Middle Ear – Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumors</li> <li>○ Inner ear – Meniere’s Disease, labyrinthitis, ototoxicity, tumors</li> <li>○ Upper airway infections – Common cold, sinusitis, <u>ethintis</u>, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis</li> </ul> </li> <li>• Upper respiratory airway – epistaxis,</li> <li>• Nasal obstruction, laryngeal</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>

			<p>obstruction, cancer of the larynx</p> <ul style="list-style-type: none"> <li>• Cancer of the oral cavity</li> <li>• Speech defects and speech therapy</li> <li>• Deafness –</li> <li>• Prevention, control and rehabilitation</li> <li>• Hearing Aids, implanted hearing devices</li> </ul> <p>Special Therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of Ear Nose and Throat</p> <p>Role of nurse Communicating with hearing impaired and muteness.</p>		
II	15	<p>Describe the etiology, patho</p> <p>Physiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye.</p>	<p><b>Nursing management of patient with disorder of eye</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the eye –</li> <li>• Nursing Assessment - History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing management of eye disorders: <ul style="list-style-type: none"> <li>○ Refractive errors</li> <li>○ Eyelids-infection, tumors &amp; deformities</li> <li>○ Conjunctiva - inflammation and infection, bleeding</li> <li>○ Cornea-inflammation and infection</li> <li>○ Lens-Cataracts</li> <li>○ Glaucoma</li> <li>○ Disorder of the <u>uveal</u> tract,</li> <li>○ Ocular tumors</li> <li>○ Disorders of posterior chamber &amp; retina : retinal and vitreous problems</li> <li>○ Retinal detachment</li> <li>○ Ocular emergencies and their prevention</li> </ul> </li> <li>• Blindness</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Visit to eye bank</li> <li>• Participation in eye-camps</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>

			<ul style="list-style-type: none"> <li>• National blindness control program</li> <li>○ Eye Banking</li> <li>○ Eye prostheses and Rehabilitation</li> </ul> <p>Role of nurse - Communication with visually impaired patient, Eye camps</p> <p>Special Therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of eye</p>		
III	16	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures & nursing management of patients with neurological disorders	<p><b>Nursing management of patient with neurological disorders</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the neurological system</li> <li>• Nursing Assessment - History and Physical and neurological</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing management of neurological disorders</li> <li>• Congenital malformations</li> <li>• Headache</li> <li>• Head Injuries</li> <li>• Spinal Injuries: <ul style="list-style-type: none"> <li>○ Paraplegia</li> <li>○ Hemiplegia</li> <li>○ Quadriplegia</li> </ul> </li> <li>• Spinal cord compression-herniation of intervertebral disc</li> <li>• Tumors of the brain &amp; spinal cord</li> <li>• Intra cranial &amp; cerebral aneurysms</li> <li>• Infections : <ul style="list-style-type: none"> <li>○ Meningitis, Encephalitis, Brain abscess, neurocysticercosis</li> </ul> </li> <li>• Movement disorders <ul style="list-style-type: none"> <li>○ Chorea</li> <li>○ Seizures</li> <li>○ Epilepsies</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Visit to rehabilitation centre</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>

			<ul style="list-style-type: none"> <li>• Cerebro Vascular Accidents (CVA)</li> <li>• Cranial, Spinal Neuropathies - Bell's palsy, trigeminal neuralgia</li> <li>• Peripheral Neuropathies; Guillain-Barr'e Syndrome</li> <li>• Myasthenia gravis</li> <li>• Multiple sclerosis</li> <li>• Degenerative diseases             <ul style="list-style-type: none"> <li>○ Delirium</li> <li>○ Dementia</li> <li>○ Alzheimer's disease</li> <li>○ Parkinson's disease</li> </ul> </li> <li>• Management of unconscious patients &amp; patients with stroke</li> <li>• Role of the nurse in communicating with patient having neurological deficit</li> <li>• Rehabilitation of patients with neurological deficit</li> </ul> <p>Role of nurse in long stay facility (institutions) and at home</p> <p>Special Therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of neurological disorders</p>		
IV	16	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures & nursing management of patients with disorders of female reproductive system	<p><b>Nursing management of patients with disorders of female reproductive system</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the female reproductive system</li> <li>• Nursing Assessment - History and Physical assessment</li> <li>• Breast Self Examination</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing management of disorder of female reproductive system</li> <li>• Congenital abnormalities of female reproductive system</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Assessment of</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of</li> </ul>

		<p>Describe concepts of reproductive health &amp; family welfare programme</p>	<ul style="list-style-type: none"> <li>• Sexuality &amp; Reproductive Health</li> <li>• Sexual Health Assessment</li> <li>• Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome</li> <li>• Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia</li> <li>• Pelvic Inflammatory Disease</li> <li>• Ovarian and fallopian tube disorders; infections, cysts, tumours</li> <li>• Uterine &amp; cervical disorders; Endometriosis, polyps, Fibroids, Cervical &amp; uterine tumours, uterine displacement, Cystocele / Urethrocele/Rectocele</li> <li>• Vaginal disorders; Infections, cysts, tumours</li> <li>• Diseases of breasts; Deformities, Infections, Cysts and Tumours</li> <li>• Menopause and Hormonal Replacement Therapy</li> <li>• Infertility</li> <li>• Contraception ; Types Methods, Risk and effectiveness</li> <li>○ Spacing Methods             <ul style="list-style-type: none"> <li>- Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, etc</li> </ul> </li> <li>○ Terminal methods             <ul style="list-style-type: none"> <li>- Sterilization</li> </ul> </li> <li>• Emergency Contraception methods</li> <li>• Abortion – Natural, Medical &amp; surgical abortion – MTP Act</li> <li>• Toxic Shock Syndrome</li> <li>• Injuries &amp; Trauma; Sexual violence</li> </ul> <p>Special Therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of gynaecological disorders</p> <p>National family welfare programme</p>	<p>skills with check list</p> <ul style="list-style-type: none"> <li>• Assessment of patient management problem</li> </ul>	<p>patient management problem</p>
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V	10	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures & nursing management of patients with Burns, reconstructive and cosmetic surgery	<p><b>Nursing management of patients with Burns, reconstructive &amp; cosmetic surgery</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the skin &amp; connective tissues and various deformities</li> <li>• Nursing Assessment - History and Physical assessment &amp; Assessment of burns &amp; fluid and electrolyte loss</li> <li>• Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing management of Burns &amp; Re-constructive and Cosmetic surgery;</li> <li>• Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries &amp; cosmetic purposes</li> <li>• Role of Nurse</li> <li>• Legal aspects</li> <li>• Rehabilitation</li> <li>• Special therapies                         <ul style="list-style-type: none"> <li>○ Psycho social aspects</li> </ul> </li> </ul> <p>Nursing procedures</p> <p>Drugs used in treatment of Burns, reconstructive and cosmetic surgery</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> </ul>	<p>Essay type</p> <ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>
VI	10	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures & nursing management of patients with oncology	<p><b>Nursing management of patients with oncological conditions</b></p> <ul style="list-style-type: none"> <li>• Structure &amp; characteristics of normal &amp; cancer cells</li> <li>• Nursing Assessment - History and Physical assessment</li> <li>• Prevention, Screening, Early detection, Warning signs of cancer</li> <li>• Epidemiology, Etiology, Classification, Patho-physiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> </ul>	<p>Essay type</p> <ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of</li> </ul>



			<p>management of oncological conditions</p> <ul style="list-style-type: none"> <li>• Common malignancies of various body systems ; Oral, larynx, lung, Stomach &amp; Colon, Liver, Leukemia's &amp; lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc</li> <li>• Oncological emergences</li> <li>• Modalities of treatment <ul style="list-style-type: none"> <li>○ Immunotherapy</li> <li>○ Chemotherapy</li> <li>○ Radiotherapy</li> <li>○ Surgical Interventions</li> <li>○ Stem cell and Bone marrow transplants</li> <li>○ Gene therapy</li> <li>○ Other forms of treatment</li> </ul> </li> <li>• Psychosocial aspects of cancer</li> <li>• Rehabilitation</li> <li>• Palliative care; Symptom and Pain Management, Nutritional support</li> <li>• Home care</li> <li>• Hospice care</li> <li>• Stomal Therapy</li> <li>• Special therapies <ul style="list-style-type: none"> <li>○ Psycho social aspects</li> </ul> </li> <li>• Nursing procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>	<p>skills with check list</p> <ul style="list-style-type: none"> <li>• Assessment of patient management problem</li> </ul>
VII	10	<p>Describe organization of emergency &amp; disaster care services</p> <p>Describe the role of nurse in disaster management</p> <p>Describe the role of nurse in</p>	<p><b>Nursing management of patient in Emergency &amp; Disaster situations</b></p> <p><b>Disaster Nursing :</b></p> <ul style="list-style-type: none"> <li>• Concepts &amp; principles of Disaster Nursing</li> <li>• Causes and Types of Disaster : Natural and Man-made <ul style="list-style-type: none"> <li>○ Earthquakes, Floods, Epidemics, Cyclones</li> <li>○ Fire, Explosion, Accidents</li> <li>○ Violence, Terrorism; bio-chemical, War</li> </ul> </li> <li>• Policies related to emergency/disaster management; International, national, state, institutional</li> <li>• Disaster preparedness:</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Disaster management</li> </ul>	<p>Essay type</p> <ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> </ul>

	management of common Emergencies	<ul style="list-style-type: none"> <li>• Team, Guidelines, protocols, Equipments, Resources</li> <li>• Coordination and involvement of; Community, various govt. departments, non-govt. organizations &amp; International agencies</li> <li>• Role of nurse: working</li> <li>• Legal Aspects of Disaster Nursing</li> <li>• Impact on Health and after effects; Post Traumatic Stress Disorder</li> <li>• Rehabilitation; physical, psycho-social, Financial, Relocation</li> </ul> <p><b>Emergency Nursing</b></p> <ul style="list-style-type: none"> <li>• Concept, priorities, principles &amp; scope of emergency nursing</li> <li>• Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage &amp; role of triage nurse</li> <li>• Coordination &amp; involvement of different departments &amp; facilities</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing management of patient with medical &amp; surgical Emergency</li> <li>• Principles of emergency management</li> <li>• Common Emergencies;</li> <li>• Respiratory Emergencies</li> <li>• Cardiac Emergencies</li> <li>• Shock &amp; Hemorrhage</li> <li>• Pain</li> <li>• Poly-Trauma, road accidents, crush injuries, wound</li> <li>• Bites</li> <li>• Poisoning; Food, Gas, Drugs &amp; chemical poisoning</li> <li>• Seizures</li> </ul>	<p>Drills</p> <ul style="list-style-type: none"> <li>• Drug book/ presentation</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of patient management problem</li> </ul>
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			<ul style="list-style-type: none"> <li>• Thermal Emergencies Heat stroke &amp; Cold injuries</li> <li>• Pediatric Emergencies</li> <li>• Psychiatric Emergencies</li> <li>• Obstetrical Emergencies</li> <li>• Violence, Abuse, Sexual assault</li> <li>• Cardio Pulmonary Resuscitation</li> <li>• Crisis Intervention</li> <li>• Role of the nurse; Communication &amp; Inter personal Relations</li> <li>• Medico-Legal Aspects;</li> </ul>		
VIII	10	<p>Explain the concept and problems of aging</p> <p>Describe nursing care of the elderly</p>	<p><b>Nursing care of the elderly</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment –History &amp; Physical assessment</li> <li>• Ageing;</li> <li>• Demography; Myths and realities</li> <li>• Concepts &amp; theories of ageing</li> <li>• Cognitive Aspects of Ageing</li> <li>• Normal biological ageing</li> <li>• Age related body systems changes</li> <li>• Psychosocial Aspects of Ageing</li> <li>• Medications and elderly</li> <li>• Stress &amp; coping in older adults</li> <li>• Common Health Problems &amp; Nursing Management;</li> <li>• Cardiovascular, Respiratory, Musculoskeletal,</li> <li>• Endocrine, genitor-urinary, gastrointestinal</li> <li>• Neurological, Skin and other Sensory organs</li> <li>○ Psychosocial and Sexual</li> <li>○ Abuse of elderly</li> <li>• Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial &amp; spiritual</li> <li>• Role of nurse for caregivers of elderly</li> <li>• Role of family and formal and non formal caregivers</li> <li>• Use of aids &amp; prosthesis (hearing aids, dentures,</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Visit to old age home</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>	<p>Essay type</p> <ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>

			<ul style="list-style-type: none"> <li>• Legal &amp; Ethical Issues</li> <li>• Provisions &amp; Programmes for elderly; privileges, Community Programs and health services;</li> <li>• Home &amp; institutional care</li> </ul>		
IX	10	<p>Describe organization of critical care units</p> <p>Describe the role of nurse in management of patients critical care units</p>	<p><b>Nursing management of patient in critical care units</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment –History &amp; Physical assessment</li> <li>• Classification</li> <li>• Principles of critical care nursing</li> <li>• Organization; Physical setup, Policies, staffing norms,</li> <li>• Protocols, equipment and supplies</li> <li>• Special equipments; ventilators, cardiac monitors, defibrillators,</li> <li>• Resuscitation equipments</li> <li>• Infection Control Protocols</li> <li>• Nursing management of critically ill patient;</li> <li>• Monitoring of critically ill patient</li> <li>• CPR-Advance Cardiac Life support</li> <li>• Treatments &amp; procedures</li> <li>• Transitional care</li> <li>• Ethical &amp; Legal Aspects</li> <li>• Communication with patient and family</li> <li>• Intensive care records</li> <li>• Crisis Intervention</li> <li>• Death &amp; Dying-coping with</li> <li>• Drugs used in critical care unit</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Role plays</li> <li>• Counseling</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>	<p>Essay type</p> <ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problem</li> </ul>
X	8	<p>Describe the etiology, patho-physiology, clinical manifestations,</p> <p>assessment, diagnostic measures &amp; management of patients</p>	<p><b>Nursing management of patients adults including elderly with Occupational and Industrial disorders</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment –History &amp; Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; Surgical nursing management of occupational and industrial health disorders</li> <li>• Role of nurse</li> </ul>	<ul style="list-style-type: none"> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> </ul>	<p>Essay type</p> <ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with</li> </ul>

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		with occupational and industrial health disorder	Special Therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational & Industrial disorders		check list • Assessment of patient management problem
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**Suggested Readings:**

6. Suresh K Sharma. "Textbook of Medical Surgical Nursing" 3<sup>rd</sup> edition. Wolters Kluwer Publication; 2017.
7. Joyce M. Black. "Medical Surgical Nursing" 7<sup>th</sup> & 8<sup>th</sup> edition.
8. Brunner & Siddarth. "Medical Surgical Nursing" 13 edition .Wolter kluwer limited.
9. Linda S Williams & Hopper. "Understanding Medical Surgical Nursing" 5<sup>th</sup> edition. JAYPEE Publication; 2015.
10. Usha Nair. "Textbook of Medical Surgical Nursing" 1<sup>st</sup> edition. JAYPEE Publication; 2009.

## Medical Surgical Nursing – II Practical

(Adult and Geriatrics) – II

Placement: Third Year

Time: Theory – 120 hrs

Practical – 270 hrs

Clinical Training – 430 hrs

Areas	Duration (in wks)	Objectives of Posting	Skills to be developed	Assignments	Assessment methods
ENT	1	<ul style="list-style-type: none"> <li>• Provide care to patients with ENT disorders</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Perform examination of ear, nose and throat</li> <li>• Assist with diagnostic procedures</li> <li>• Assist with therapeutic procedures</li> <li>• Instillation of drops</li> <li>• Perform/assist with irrigations</li> <li>• Apply ear bandage</li> <li>• Perform tracheostomy care</li> <li>• Teach patients &amp; families</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 2-3 assigned patients</li> <li>• Nursing care plan -1</li> <li>• Observation reports of OPD</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of observation report of OPD</li> <li>• Completion of activity record</li> </ul>
Ophthalmology	1	<ul style="list-style-type: none"> <li>• Provide care to patients with Eye disorders</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Perform examination of eye</li> <li>• Assist with diagnostic procedures</li> <li>• Assist with therapeutic procedures</li> <li>• Perform/assist with irrigations</li> <li>• Apply eye</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 2-3 assigned patients</li> <li>• Nursing care plan -1</li> <li>• Observation reports of OPD &amp; Eye bank</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of observation report of OPD /Eye bank</li> <li>• Completion of activity record</li> </ul>

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			<ul style="list-style-type: none"> <li>bandage</li> <li>• Apply eye drops/ ointments</li> <li>• Assist with foreign body removal</li> <li>• Teach patients &amp; families</li> </ul>		
Neurology	2	<ul style="list-style-type: none"> <li>• Provide care to patients with neurological disorders</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Perform Neurological Examination</li> <li>• Use Glasgow coma scale</li> <li>• Assist with diagnostic procedures</li> <li>• Assist with therapeutic procedures</li> <li>• Teach patients &amp; families</li> <li>• Participate in rehabilitation program</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to assigned 2-3 patients with neurological disorders</li> <li>• Case study/ case presentation – 1</li> <li>• Maintains drug book</li> <li>• Health Teaching-1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• 3.Evaluation of case study &amp; health teaching</li> <li>• Completion of activity record</li> </ul>
Gynecology ward	1	<ul style="list-style-type: none"> <li>• Provide care to patients with gynaecological disorders</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Assist with gynaecological Examination</li> <li>• Assist with diagnostic procedures</li> <li>• Assist with therapeutic procedures</li> <li>• Teach patients families</li> <li>• Teaching self Breast Examination</li> <li>• Assist with PAP smear collection</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 2-3 assigned patients</li> <li>• Nursing care plan -1</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of care plan</li> <li>• Completion of activity record</li> </ul>
Burns Unit	1	<ul style="list-style-type: none"> <li>• Provide care to patients with Burns</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of the burns patient                             <ul style="list-style-type: none"> <li>○Percentage of burns</li> <li>○Degree of burns</li> </ul> </li> <li>• Fluid &amp; electrolyte replacement therapy:</li> <li>• Assess</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 1-2 assigned patients</li> <li>• Nursing care plan -1</li> <li>• Observation reports of Burns unit</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of care plan and</li> </ul>

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			<ul style="list-style-type: none"> <li>• Calculate</li> <li>• Replace</li> <li>• Record intake/output</li> <li>• Care of Burn wounds :             <ul style="list-style-type: none"> <li>➤ Bathing</li> <li>➤ Dressing</li> </ul> </li> <li>• Perform active &amp; passive exercises</li> <li>• Practice medical &amp; surgical asepsis</li> <li>• Counsel &amp; Teach patients and families</li> <li>• Participate in rehabilitation program</li> </ul>		<p>observation report</p> <ul style="list-style-type: none"> <li>• Completion of activity record</li> </ul>
Oncology Unit	1	<ul style="list-style-type: none"> <li>• Provide care to patients with Cancer</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Screen for common cancers-TNM classification</li> <li>• Assist with diagnostic procedures             <ul style="list-style-type: none"> <li>○ Biopsies</li> <li>○ Pap smear</li> <li>○ Bone-marrow aspiration                 <ul style="list-style-type: none"> <li>• Breast examination</li> </ul> </li> </ul> </li> <li>• Assist with therapeutic procedures</li> <li>• Participates in various modalities of treatment             <ul style="list-style-type: none"> <li>➤ Chemotherapy</li> <li>➤ Radiotherapy</li> <li>➤ Pain management</li> <li>➤ Stoma therapy</li> <li>➤ Hormonal therapy</li> <li>➤ Immuno therapy</li> <li>➤ Gene therapy</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 2-3 assigned patients</li> <li>• Nursing care plan -1</li> <li>• Observation report of cancer unit</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of care plan and observation report</li> <li>• Completion of activity record</li> </ul>



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			<ul style="list-style-type: none"> <li>➤ Alternative therapy</li> <li>• Participating palliative care</li> <li>• Counsel and teach patients families</li> <li>○ Self Breast Examination</li> <li>○ Warning signs</li> <li>• Participate in rehabilitation program</li> </ul>		
Critical care unit	2	<ul style="list-style-type: none"> <li>• Provide care to critically ill patients</li> <li>• Counsel patient and families for grief and bereavement</li> </ul>	<ul style="list-style-type: none"> <li>• Monitoring of patients in ICU</li> <li>• Maintain flow sheet</li> <li>• Care of patient on ventilators</li> <li>• Perform Endotracheal suction                             <ul style="list-style-type: none"> <li>• Demonstrate use of ventilators, cardiac monitors etc.</li> <li>• Collect specimens and interprets ABG analysis</li> <li>• Assist with arterial puncture</li> </ul> </li> <li>• Maintain CVP line</li> <li>• Pulse oximetry</li> <li>• CPR – ALS</li> <li>• Defibrillators</li> <li>• Pace makers</li> <li>• Bag-mask ventilation</li> <li>• Emergency tray/trolley Crash Cart</li> <li>• Administration of drugs                             <ul style="list-style-type: none"> <li>➤ Infusion pump</li> <li>➤ Epidural</li> <li>➤ Intra thecal</li> <li>➤ Intracardiac</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 1 assigned patient</li> <li>• Observation report of Critical care unit</li> <li>• Drugs book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of observation report</li> <li>• Completion of activity record</li> </ul>

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			<ul style="list-style-type: none"> <li>• Total parenteral therapy</li> <li>• Chest physiotherapy</li> <li>• Perform active &amp; passive exercises</li> <li>• Counsel the patient and family in dealing with grieving and bereavement</li> </ul>		
Casualty/Emergency	1	<ul style="list-style-type: none"> <li>• Provide care to patients in emergency and disaster situation</li> <li>• Counsel patient and families for grief and bereavement</li> </ul>	<ul style="list-style-type: none"> <li>• Practice “triage”</li> <li>• Assist with assessment, examination, investigations &amp; their interpretations, in emergency &amp; disaster situations</li> <li>• Assist in documentations</li> <li>• Assist in legal procedures in emergency unit</li> <li>• Participate in managing crowd</li> <li>• Counsel patient &amp; families in grief and bereavement</li> </ul>	<ul style="list-style-type: none"> <li>• Observation report of Emergency unit</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Evaluation of observation report</li> <li>• Completion of activity record</li> </ul>

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**Internship:**

**Placement:** Clinical Training

**Time:** 9 weeks

<b>Areas</b>	<b>Duration (in week)</b>	<b>Objective</b>	<b>Skills</b>	<b>Assessment</b>
Medical ward	2	Provide comprehensive care to patients with medical and surgical	Integrated Practice	Assess clinical performance with rating scale
Surgical ward	2	conditions including emergencies		
Critical care unit /ICCU	1	Assist with common operations		
Casualty/Emergency				
Operation Theatre (Eye, ENT, Neuro)	2			

**Subject Title: Child Health Nursing      Course Code: NURS-302**

**Placement:** Third Year

**Time: Theory - 90 hours**

**Practical - 270 hours**

**Clinical Training - 145 hours**

**Course Description:** This course is designed for developing an understanding of the modern approach to child – care, identification, prevention and nursing management of common health problems of neonates and children.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
I	15	<ul style="list-style-type: none"> <li>Explain the modern concept of child care &amp; principles of child health Nursing</li> <li>Describe national policy programs and legislation in relation to child health and welfare.</li> <li>List major causes of death during infancy, early &amp; late childhood</li> <li>Describe the major functions and role of the pediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing</li> </ul>	<p><b>Introduction</b></p> <p><b>Modern concepts of childcare</b></p> <ul style="list-style-type: none"> <li>Internationally accepted rights of the Child</li> <li>National policy &amp; legislations in relation to child health and welfare</li> <li>National programmes related to child health and welfare</li> <li>Agencies related to welfare services to the children</li> <li>Changing trends in hospital care, preventive, Promotive &amp; curative aspects of child health</li> <li>Child morbidity and mortality rates</li> <li>Differences between an adult and child</li> <li>Hospital environment for a sick child</li> <li>Impact of hospitalization on the child and family</li> <li>Grief and bereavement</li> <li>The role of a Child health nurse in caring for a hospitalized child</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration of common pediatric procedure</li> <li>Assessment of skills with checklist</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skill with checklist</li> </ul>

			<ul style="list-style-type: none"> <li>Principles of pre and post operative care of infants and children</li> <li>Child health nursing procedures</li> </ul>		
II	20	<ul style="list-style-type: none"> <li>Describe the Normal growth &amp; development of children at different ages</li> <li>Identify the needs of children at different ages &amp; provide parental guidance</li> <li>Identify the nutritional needs of children at different ages and ways of meeting the needs</li> <li>Appreciate the role of play for normal &amp; sick children</li> <li>Appreciate the preventive measures and strategies for children</li> </ul>	<p><b>The healthy child</b></p> <ul style="list-style-type: none"> <li>Principles of growth and development</li> <li>Factors affecting growth &amp; development</li> <li>Growth and development from birth to adolescence</li> <li>The needs of normal children through the stages of developmental and parental guidance</li> <li>Nutritional needs of children &amp; infants: breast feeding, exclusive breast feeding supplementary/artificial feeding and weaning,</li> <li>Baby friendly hospital concept</li> <li>Accidents: causes and prevention</li> <li>Value of play and selection of play material</li> <li>Preventive immunization, immunization programme and cold chain</li> <li>Preventive paediatrics</li> <li>Care of under five &amp; under five clinics/well baby clinics</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Developmental study of infant and children</li> <li>Observation on study of normal and sick child</li> <li>Field visit to Anganwadi, child guidance clinic</li> <li>Film show on breast feeding</li> <li>Clinical practice /field</li> <li>Assessment of field visits and developmental study reports</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of field visits and developmental study reports</li> </ul>
III	15	<ul style="list-style-type: none"> <li>Provide care to normal &amp; high risk neonates</li> <li>Perform neonatal resuscitation</li> <li>Recognize and manage common neonatal problems</li> </ul>	<p><b>Nursing care of a neonate</b></p> <ul style="list-style-type: none"> <li>Nursing care of a normal newborn/Essential newborn care</li> <li>Neonatal resuscitation</li> <li>Nursing management of a low birth weight baby</li> <li>Kangaroo mother care</li> <li>Nursing management of common neonatal disorders</li> <li>Organization of neonatal unit</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Workshop on neonatal resuscitation</li> <li>Demonstration</li> <li>Practice session</li> <li>Clinical practice</li> <li>Assessment of skills with checklist</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with</li> </ul>

			<ul style="list-style-type: none"> <li>• Identification &amp; nursing management of common congenital malformations</li> </ul>		checklist
IV	10		<p><b>Integrated management of neonatal and childhood illnesses (IMNCI)</b></p>	<ul style="list-style-type: none"> <li>•Lecture Discussion</li> <li>•Demonstration</li> <li>•Practice session</li> <li>•Clinical practice</li> <li>•Assessment of skills with checklist</li> </ul>	<p>Short answers</p> <ul style="list-style-type: none"> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> </ul>
V	20	<ul style="list-style-type: none"> <li>• Provide nursing care in common childhood diseases</li> <li>• Identify measures to prevent common childhood diseases including immunization</li> </ul>	<p><b>Nursing management in common childhood diseases</b></p> <ul style="list-style-type: none"> <li>• Nutritional deficiency disorders</li> <li>• Respiratory disorders and infections</li> <li>• Gastrointestinal infections, infestations and congenital disorders</li> <li>• Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease</li> <li>• Genitor-urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms’ tumor, infection and congenital disorders</li> <li>• Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, Spina-bifida</li> <li>• Hematological disorders : Anemia’s, Thalassemia, ITP, Leukemia, hemophilia</li> <li>• Endocrine disorders: Juvenile Diabetes Mellitus</li> <li>• Orthopedic disorders :club</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture Discussion</li> <li>•Demonstration</li> <li>•Practice session</li> <li>•Clinical practice</li> </ul>	<p>Short answers</p> <ul style="list-style-type: none"> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> </ul>

			<p>feet, hip dislocation and fracture</p> <ul style="list-style-type: none"> <li>• Disorders of skin, eye, &amp; ears</li> <li>• Common communicable diseases in children, their identification, nursing management in hospital and home and prevention</li> <li>• Child health emergencies: poisoning, foreign bodies, hemorrhage, burns &amp; drowning</li> <li>• Nursing care of infant and children with HIV/AIDS</li> </ul>		
VI	10	<ul style="list-style-type: none"> <li>• Manage the child with behavioral &amp; social problems</li> <li>• Identify the social &amp; welfare services for challenged children</li> </ul>	<p><b>Management of behavioral &amp; social problems in children</b></p> <ul style="list-style-type: none"> <li>• Management of common behavioral disorders</li> <li>• Management of common psychiatric problems</li> <li>• Management of challenged children : Mentally, Physically, &amp; socially challenged</li> <li>• Welfare services for challenged children in India</li> <li>• Child guidance clinics</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture Discussion</li> <li>•Field visits to child guidance clinics, school for mentally &amp; physically, socially challenged</li> <li>•Assessment of field visits and study reports</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of field reports</li> </ul>

**Suggested Readings:**

1. Hockenberry, Wilson. "Wong's Essentials of Pediatric Nursing". Elsevier Publication.
2. Parul Datta. "Pediatric Nursing" 3<sup>rd</sup> edition. JAYPEE Publication; 2014.
3. Vinod K Paul, Arvind Bagga. "Essential Pediatrics".
4. Dorothy R Marlow, Barbara A Redding. "Marlow's Textbook of Pediatric Nursing". South Asian Edition.
5. A Padmaja. "Textbook of Child Health Nursing" 1<sup>st</sup> edition. JAYPEE Publication; 2016.

## Child Health Nursing – Practical

Placement: Third Year

Time: 270 hours (9 Weeks)

Fourth Year:

Clinical Training: 145 hours (3 Weeks)

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Methods
Pediatric Medicine ward	3	<ul style="list-style-type: none"> <li>• Provide nursing care to children with various medical disorders</li> <li>• Counsel and educate parents</li> </ul>	<ul style="list-style-type: none"> <li>• Taking pediatric History</li> <li>• Physical examination and assessment of children</li> <li>• Administer of oral, I/M &amp; IV medicine/fluids</li> <li>• Calculation of fluid requirements</li> <li>• Prepare different strengths of I.V. fluids</li> <li>• Apply restraints</li> <li>• Administer O<sub>2</sub> inhalation by different methods</li> <li>• Give baby bath Feed children by Katori spoon, etc.</li> <li>• Collect specimens for common investigations</li> <li>• Assist with common diagnostic procedures</li> <li>• Teach mothers/parents                             <ul style="list-style-type: none"> <li>○ Malnutrition</li> <li>○ Oral rehydration therapy</li> <li>○ Feeding &amp; Weaning</li> <li>○ Immunization schedule</li> <li>○ Play therapy</li> <li>○ Specific Disease conditions</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Give care to three assigned pediatric patients</li> <li>• Nursing Care Plan – 1</li> <li>• Case study/presentations-1</li> <li>• Health Talk -1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Assess each skill with checklist OSCE/ OSPE</li> <li>• Evaluation of case study/presentation &amp; Health education session</li> <li>• Completion of activity record</li> </ul>



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Pediatric Surgery Ward	3	<ul style="list-style-type: none"> <li>• Recognize different pediatric surgical conditions/ malformations</li> <li>• Provide pre and post operative care to children with common pediatric surgical conditions/ malformation</li> <li>• Counsel and educate parents</li> </ul>	<ul style="list-style-type: none"> <li>• Calculate, prepare and administer I/V fluids</li> <li>• Do bowel wash</li> <li>• Care for ostomies :                             <ul style="list-style-type: none"> <li>○ Colostomy irrigation</li> <li>○ Ureterostomy</li> <li>○ Gastrostomy</li> <li>○ Enterostomy</li> </ul> </li> <li>• Urinary catheterization and drainage</li> <li>• Feeding                             <ul style="list-style-type: none"> <li>○ Naso-gastric</li> <li>○ Gastrostomy</li> <li>○ Jejunostomy</li> </ul> </li> <li>• Care of surgical wounds                             <ul style="list-style-type: none"> <li>○ Dressing</li> <li>○ Suture removal</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Give care to three assigned pediatric surgical patients                             <ul style="list-style-type: none"> <li>• Nursing Care Plan – 1</li> <li>• Case study/presentation-1</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale                             <ul style="list-style-type: none"> <li>• Assess each skill with checklist OSCE/ OSPE</li> <li>• Evaluation of case study/presentation</li> <li>• Completion of activity record</li> </ul> </li> </ul>
Pediatric OPD/ Immunization room	1	<ul style="list-style-type: none"> <li>• Perform assessment of children: Health, Developmental and Anthropometric</li> <li>• Perform Immunization</li> <li>• Give Health Education /Nutritional Education</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of children                             <ul style="list-style-type: none"> <li>○ Health assessment</li> <li>○ Developmental assessment</li> <li>○ Anthropometric assessment</li> </ul> </li> <li>• Immunization</li> <li>• Health/Nutritional Education</li> </ul>	<ul style="list-style-type: none"> <li>• Developmental study -1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Completion of activity record</li> </ul>
Pediatric medicine and surgery ICU	1+1	<ul style="list-style-type: none"> <li>• Provide nursing care to critically ill children</li> </ul>	<ul style="list-style-type: none"> <li>• Care of a baby in incubator/warmer</li> <li>• Care of a child on ventilator</li> <li>• Endotracheal suction</li> <li>• Chest physiotherapy</li> <li>• Administer fluids with infusion pump</li> <li>• Total parenteral nutrition</li> <li>• Phototherapy</li> <li>• Monitoring of babies</li> </ul>	<ul style="list-style-type: none"> <li>• Nursing care plan 1</li> <li>• Observation report 1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Completion of activity record</li> <li>• Evaluation of observation report</li> </ul>

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			• Cardio Pulmonary resuscitation		
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**Internship:**

<b>Area</b>	<b>Duration (in weeks)</b>	<b>Objective</b>	<b>Skills</b>	<b>Assessment Methods</b>
Pediatric medicine ward/ICU	1	<ul style="list-style-type: none"> <li>• Provide comprehensive care to children with medical conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> </ul>
Pediatric Surgery ward/ICU	1	<ul style="list-style-type: none"> <li>• Provide comprehensive care to children with surgical conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> </ul>
NICU	1	<ul style="list-style-type: none"> <li>• Provide intensive care to neonates</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> </ul>

**Subject Title: Mental Health Nursing**

**Course Code: NURS-303**

**Placement:** Third Year

**Time:** Theory - 90 hours

**Practical** - 270 hours

**Clinical Training** - 95 hours (2 weeks)

**Course Description:** This course is designed for developing an understanding of the modern approach to mental health, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	5	<ul style="list-style-type: none"> <li>Describes the historical development &amp; current trends in mental health nursing</li> <li>Describe the epidemiology of mental health problems</li> <li>Describe the National Mental Health Act, programmes and mental health policy</li> <li>Discusses the scope of mental health nursing</li> <li>Describe the concept of normal &amp; abnormal behaviour</li> </ul>	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>Perspectives of Mental Health and Mental Health nursing : evolution of mental health services, treatments and nursing practices,</li> <li>Prevalence and incidence of mental health problems and disorders</li> <li>Mental Health Act</li> <li>National Mental health policy vis a vis National health policy</li> <li>National Mental health programme</li> <li>Mental Health team</li> <li>Nature and scope of mental health nursing</li> <li>Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice</li> <li>Concepts of normal and abnormal behaviour</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Assessment of field visits reports</li> </ul>	<ul style="list-style-type: none"> <li>Objective type</li> <li>Short answer</li> <li>Assessment of the field visit reports</li> </ul>
II	5	<ul style="list-style-type: none"> <li>Defines the various terms used in mental health nursing</li> </ul>	<p><b>Principles and Concepts of Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>Definition: mental health</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using charts</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> </ul>

		<ul style="list-style-type: none"> <li>• Explains the classification of mental disorders</li> <li>• Explain psycho dynamics of maladaptive behaviour</li> <li>• Discuss the etiological factors, psychopathology of mental disorders</li> <li>• Explain the Principles &amp; standards of mental health nursing</li> <li>• Describe the conceptual models of mental health nursing</li> </ul>	<p>nursing and terminology used</p> <ul style="list-style-type: none"> <li>• Classification of mental disorders : ICD</li> <li>• Review of personality development, defense mechanisms</li> <li>• Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s)</li> <li>• Etiology: bio-psycho-social factors</li> <li>• Psychopathology of mental disorders: review of structure &amp; function of brain, limbic system and abnormal Neuro-transmission</li> <li>• Principles of Mental health Nursing</li> <li>• Conceptual models and the role of nurse: <ul style="list-style-type: none"> <li>○ Existential Model</li> <li>○ Psycho-analytical models</li> <li>○ Behavioural model</li> <li>○ Interpersonal model</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Review of personality development</li> </ul>	<ul style="list-style-type: none"> <li>• Objective type</li> </ul>
III	8	<ul style="list-style-type: none"> <li>• Describe nature, purpose &amp; process of assessment of mental health status</li> </ul>	<p><b>Assessment of mental health status</b></p> <ul style="list-style-type: none"> <li>• History taking</li> <li>• Mental status examination</li> <li>• Mini mental status examination</li> <li>• Neurological examination : review</li> <li>• Investigations : Related Blood chemistry, EEG, CT &amp; MRI</li> <li>• Psychological tests Role and responsibilities of nurse</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture discussion</li> <li>•Demonstration</li> <li>•Practice session</li> <li>•Clinical practice Assessment of skills with checklist</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> </ul>
IV	6	<ul style="list-style-type: none"> <li>• Identify therapeutic communication techniques</li> <li>• Describe therapeutic relationship</li> <li>• Describe therapeutic</li> </ul>	<p><b>Therapeutic communication and nurse-patient relationship</b></p> <ul style="list-style-type: none"> <li>• Therapeutic communication: types, techniques, characteristics</li> <li>• Types of relationship,</li> <li>• Ethics and responsibilities</li> <li>• Elements of nurse patient</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture discussion</li> <li>•Demonstration</li> <li>•Role play</li> <li>•Process recording</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> </ul>

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		impasse and its intervention	<p>contract</p> <ul style="list-style-type: none"> <li>• Review of technique of IPR-Johari Window</li> <li>• Goals, phases, tasks, therapeutic techniques</li> <li>• Therapeutic impasse and its intervention</li> </ul>		
V	14	<ul style="list-style-type: none"> <li>• Explain treatment modalities &amp; therapies used in mental disorders and role of the nurse</li> </ul>	<p><b>Treatment modalities and therapies used in mental disorders</b></p> <ul style="list-style-type: none"> <li>• Psycho Pharmacology</li> <li>• Psychological therapies: Therapeutic community, psycho therapy-individual: psycho-analytical, cognitive &amp; supportive, Family, Group, behavioral. Play, Psycho-drama, Music, Dance, Recreational &amp; Light therapy, Relaxation therapies : Yoga, Meditation, bio feedback</li> <li>• Alternative systems of medicine</li> <li>• Occupational therapy</li> <li>• Physical Therapy: electro convulsive therapy</li> <li>• Geriatric considerations</li> <li>• Role of nurse in above therapies</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture discussion</li> <li>•Demonstration</li> <li>•Group work</li> <li>•Practice session</li> <li>•Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>
VI	5	<ul style="list-style-type: none"> <li>• Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria &amp; management of patients with Schizophrenia, and other psychotic disorders</li> </ul>	<p><b>Nursing management of patient with Schizophrenia, and other psychotic disorders</b></p> <ul style="list-style-type: none"> <li>• Classification: ICD</li> <li>• Etiology, psychopathology, types, clinical manifestations, diagnosis</li> <li>• Nursing Assessment - History, Physical &amp; mental assessment</li> <li>• Treatment modalities and nursing management of patients with Schizophrenia &amp; other psychotic disorders</li> <li>• Geriatric considerations</li> <li>• Follow up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>
VII	5	<ul style="list-style-type: none"> <li>• Describe the etiology psychopathology,</li> </ul>	<p><b>Nursing management of patient with mood disorders</b></p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> </ul>

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		clinical manifestations, diagnostic criteria and management of patients with mood disorders	<ul style="list-style-type: none"> <li>• Mood disorders: Bipolar affective disorder, Mania depression &amp; dysthymia etc</li> <li>• Etiology, psycho-pathology, clinical manifestations, diagnosis,</li> <li>• Nursing Assessment –History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with mood disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>
VIII	8	<ul style="list-style-type: none"> <li>• Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders</li> </ul>	<p><b>Nursing management of patient with neurotic, stress related and somatization disorders</b></p> <ul style="list-style-type: none"> <li>• Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder</li> <li>• Etiology, psycho-pathology, clinical manifestations, diagnosis</li> <li>• Nursing Assessment-History, Physical &amp; mental assessment</li> <li>• Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type.</li> <li>• Short answers</li> <li>• Assessment of patient management Problems.</li> </ul>
IX	5	Describe the etiology psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	<p><b>Nursing management of patient with substance use disorders</b></p> <ul style="list-style-type: none"> <li>• Commonly used psychotropic substance: Classification, forms, routes, action, intoxication &amp; withdrawal</li> <li>• Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis,</li> <li>• Nursing Assessment - History,</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• short answers</li> <li>• Assessment of patient management Problems.</li> </ul>

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			<p>Physical, mental assessment and drug assay</p> <ul style="list-style-type: none"> <li>• Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) &amp; nursing management of patients with substance use disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>		
X	4	Describe the etiology psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual & Eating disorders	<p><b>Nursing management of patient with Personality, Sexual &amp; Eating disorders</b></p> <ul style="list-style-type: none"> <li>• Classification of disorders</li> <li>• Etiology, psycho-pathology, characteristics, diagnosis,</li> <li>• Nursing assessment-History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with Personality, Sexual &amp; Eating disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• short answers</li> <li>• Assessment of patient management problems</li> </ul>
XI	6	Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	<p><b>Nursing management of child-hood and adolescent disorders including mental deficiency</b></p> <ul style="list-style-type: none"> <li>• Classification</li> <li>• Etiology, psycho-pathology, characteristics, diagnosis, Nursing assessment-History, Physical, mental and IQ assessment</li> <li>• Treatment modalities and nursing management of childhood disorders including mental deficiency</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• short answers</li> <li>• Assessment of patient management problems</li> </ul>
XII	5	Describe the etiology, psycho-pathology, clinical manifestations,	<p><b>Nursing management of organic brain disorders</b></p> <ul style="list-style-type: none"> <li>• Classification: ICD?</li> <li>• Etiology, psycho-pathology,</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> </ul>

		diagnostic criteria and management of organic brain disorders	<p>clinical features, diagnosis, and Differential diagnosis (parkinsons and alzheimers)</p> <ul style="list-style-type: none"> <li>• Nursing assessment-History, Physical, mental and neurological assessment</li> <li>• Treatment modalities and nursing management of organic brain disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Clinical practice</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• short answers</li> <li>• Assessment of patient management problems</li> </ul>
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	<p><b>Psychiatric emergencies and crisis intervention</b></p> <ul style="list-style-type: none"> <li>• Types of psychiatric emergencies and their management</li> <li>• Stress adaptation Model: stress and stressor, coping, resources and mechanism</li> <li>• Grief: theories of grieving process, principles, techniques of counselling</li> <li>• Types of crisis</li> <li>• Crisis Intervention: Principles, Techniques and Process</li> <li>• Geriatric considerations</li> </ul> <p>Role and responsibilities of nurse</p>	<ul style="list-style-type: none"> <li>•Lecture discussion</li> <li>•Demonstration</li> <li>•Practice session</li> <li>•Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• short answers</li> <li>• Assessment of patient management problems</li> </ul>
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	<p><b>Legal issued in Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>• The Mental Health Act 1987: Act, sections, Articles &amp; their implications etc.</li> <li>• Indian Lunacy Act 1912</li> <li>• Rights of mentally ill clients</li> <li>• Forensic psychiatry</li> <li>• Acts related to narcotic and psychotropic substances and illegal drug trafficking</li> <li>• Admission and discharge procedures</li> </ul> <p>Role and responsibilities of nurse</p>	<p>Lecture discussion</p> <p>Case discussion</p>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
XV	4	Describe the model of	<p><b>Community Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>• Development of Community</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Short</li> </ul>



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	<p>preventive psychiatry</p> <p>Describes Community Mental health services &amp; role of the nurse</p>	<p>Mental Health Services:</p> <ul style="list-style-type: none"> <li>• National Mental Health Programme</li> <li>• Institutionalization Versus Deinstitutionalization</li> <li>• Model of Preventive Psychiatry: Levels of Prevention</li> <li>• Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse</li> <li>• Mental Health Agencies: Government and voluntary, National and International</li> <li>• Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV/AIDS etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Clinical/ field practice</li> <li>• Field visits to mental health service agencies</li> <li>• Assessment of field reports</li> </ul>	<p>answers</p> <ul style="list-style-type: none"> <li>• Objective type</li> <li>• Assessment of the field visit reports</li> </ul>
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**Suggested Readings:**

1. Niraj Ahuja. "A short Textbook of Psychiatry" 7<sup>th</sup> edition. JAYPEE Publication; 2011.
2. R Sreevani. "A Guide to Mental Health & Psychiatric Nursing" 4<sup>th</sup> edition. JAYPEE Publication; 2016.
3. Wolters Kluwer. "Basic Concepts of Psychiatric-Mental Health Nursing". Lippincott Williams & Wilkins.
4. KP Neeraja. "Essentials of Mental Health and Psychiatric Nursing". 1<sup>st</sup> edition. JAYPEE Publication; 2011.
5. Rajesh G Konnur. "Textbook of Psychiatric Nursing" 1<sup>st</sup> edition. JAYPEE Publication; 2016.

## Mental Health Nursing – Practical

Placement: Third Year

Time: Practical - 270 hours (9 Weeks)

Fourth Year

Clinical Training - 95 hours (2 Week)

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Psychiatric OPD	1	<ul style="list-style-type: none"> <li>Assess patients with mental health problems</li> <li>Observe &amp; assist in therapies</li> <li>Counsel &amp; educate patient, &amp; families</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Perform mental status examination (MSE)</li> <li>Assist in Psychometric assessment</li> <li>Perform Neurological examination</li> <li>Observe and assist in therapies</li> <li>Teach patients and family members</li> </ul>	<ul style="list-style-type: none"> <li>History taking and mental status examination – 2</li> <li>Health education -1</li> <li>Observation report of OPD</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Evaluation of health education</li> <li>Assessment of observation report</li> <li>Completion of activity record</li> </ul>
Child Guidance clinic	1	<ul style="list-style-type: none"> <li>Assessment of children with various mental health problems</li> <li>Counsel and educate children, families &amp; significant others</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Assist in psychometric assessment</li> <li>Observe and assist in various therapies</li> <li>Teach family and significant others</li> </ul>	<ul style="list-style-type: none"> <li>Case work – 1</li> <li>Observation report of different therapies - 1</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Evaluation of the observation report</li> </ul>
Inpatient ward	6	<ul style="list-style-type: none"> <li>Assess patients with mental health problems</li> <li>To provide nursing care for patients</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Perform mental status examination (MSE)</li> <li>Perform Neurological examination</li> <li>Assist in psychometric assessment</li> <li>Record therapeutic communication</li> <li>Administer medications</li> <li>Assist in Electro-</li> </ul>	<ul style="list-style-type: none"> <li>Give care to 2-3 patients with various mental disorders</li> <li>Case study-1</li> <li>Care plan-2</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Evaluation of the case study, care plan, clinical</li> </ul>

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		<p>with various mental health problems</p> <ul style="list-style-type: none"> <li>• Assist in various therapies</li> <li>• Counsel &amp; educate patients, families &amp; significant others</li> </ul>	<p>convulsive therapy nb(ECT)</p> <ul style="list-style-type: none"> <li>• Participate in all therapies</li> <li>• Prepare patients for Activities of Daily living (ADL)</li> <li>• Conduct admission and discharge counselling</li> <li>• Counsel and teach patients and families</li> </ul>	<ul style="list-style-type: none"> <li>• Clinical Presentation - 1</li> <li>• Process recording 2</li> <li>• Maintain drug book</li> </ul>	<p>presentation, process recording</p> <ul style="list-style-type: none"> <li>• Completion of activity record</li> </ul>
Community Psychiatry	1	<ul style="list-style-type: none"> <li>• To identify patients with various mental disorders</li> <li>• To motivate patients for early treatment &amp; follow up</li> <li>• To assist in follow up clinic</li> <li>• Counsel and educate patient, family and community</li> </ul>	<ul style="list-style-type: none"> <li>• Conduct case work</li> <li>• Identify individuals with mental health problems</li> <li>• Assists in mental health camps and clinics</li> <li>• Counsel and Teach family members, patients and community</li> </ul>	<ul style="list-style-type: none"> <li>• Case work – 1</li> <li>• Observation report on field visits</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Evaluation of case work and observation report</li> <li>• Completion of activity record</li> </ul>

### Clinical Training

Area	Duration	Objective	Skills	Assessment Methods
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health problems	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> </ul>

**Subject Title: Nursing Research and Statistics Course Code: NURS-304**

**Placement:** Third Year

**Time:** Theory – 45 Hours

**Clinical Training**

**Practical – 45 Hours**

**Course Description:** The course is designed to enable students to develop and understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/participate in need based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for Practical will be utilized for conducting Individual / group research project.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Contents</b>	<b>Teaching Learning Activity</b>	<b>Assessment Methods</b>
I	4	<ul style="list-style-type: none"> <li>* Describe the concept of research, terms, need and areas of research in Nursing</li> <li>* Explain the steps of research process</li> </ul>	<p><b>Research and Research Process</b></p> <ul style="list-style-type: none"> <li>* Introduction and need for Nursing research</li> <li>* Definition of Research &amp; nursing research</li> <li>* Steps of scientific method</li> <li>* Characteristics of good research</li> <li>* Steps of Research process-overview</li> </ul> <p>Introduction to Evidence Based Practice</p> <p>Ethics in Nursing Research.</p>	<ul style="list-style-type: none"> <li>* Lecture discussion</li> <li>* Narrate steps of research process followed from examples of published studies</li> </ul>	<p>Short answer</p> <p>. Objective type</p>
II	3	<ul style="list-style-type: none"> <li>* Identify and state the research problem and</li> </ul>	<p><b>Research problem / question</b></p> <ul style="list-style-type: none"> <li>* Identification of</li> </ul>	<ul style="list-style-type: none"> <li>* Lecture discussion</li> <li>* Exercise on writing statement of problem</li> </ul>	<p>Short answer</p> <p>. Objective type</p>

		objectives	<p>problem area</p> <ul style="list-style-type: none"> <li>* Problem statement</li> <li>* Criteria of a good research problem</li> <li>* Writing objectives</li> </ul>	and objectives	
III	3	* Review the related literature	<p><b>Review of Literature</b></p> <ul style="list-style-type: none"> <li>* Location</li> <li>* Sources</li> <li>* On line search; CINHAL, COCHRANE etc</li> <li>* Purposes</li> <li>* Method of review</li> </ul>	<ul style="list-style-type: none"> <li>* Lecture discussion</li> <li>* Exercise on reviewing one research report/article for a selected research problem</li> <li>* Prepare annotated bibliography</li> </ul>	<p>Short answer</p> <p>. Objective type</p>
IV	4	* Describe the research approaches and designs	<p><b>Research approaches and designs</b></p> <ul style="list-style-type: none"> <li>* Historical, survey and experimental</li> <li>* Qualitative and quantitative designs</li> <li>Mixed Methods of research</li> </ul>	<ul style="list-style-type: none"> <li>* Lecture discussion</li> <li>* Explain types of research approaches used from examples of published and unpublished research studies with rationale</li> </ul>	<p>Short answer</p> <p>. Objective type</p>
V	8	<ul style="list-style-type: none"> <li>* Explain the sampling process</li> <li>* Describe the methods of data collection</li> </ul>	<p><b>Sampling and Data Collection</b></p> <ul style="list-style-type: none"> <li>* Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques</li> <li>* Data – why, what, from, whom, when , where to collect</li> </ul>	<ul style="list-style-type: none"> <li>* Lecture discussion</li> <li>* Reading assignment on examples of data collection tools</li> <li>* Preparation of sample data collection tools</li> <li>* Conduct group research project</li> </ul>	<p>Short answer</p> <p>. Objective type</p>

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			<p>* Data collection methods and instruments:</p> <ul style="list-style-type: none"> <li>○ Methods of data collection</li> <li>○ Questioning, interviewing</li> <li>○ Observations, record analysis and measurements</li> <li>○ Types of instruments</li> <li>○ Validity and reliability of the instrument</li> <li>○ Pilot study</li> <li>○ Data collection procedure</li> </ul>		
VI	4	* Analyze, interpret and summarize the research data	<p><b>Analysis of data:</b></p> <p>* Compilation, Tabulation, classification, summarization, presentation, interpretation of data</p>	<p>* Lecture discussion</p> <p>* Preparation of sample tables</p>	<p>Short answer</p> <p>. Objective type</p>
VII	15	<p>* Explain the use of statistics, scales of measurement and graphical presentation of data</p> <p>* Describe the measures of central tendency and variability and methods of correlation.</p>	<p><b>Introduction to statistics</b></p> <p>* Definition, use of statistics, scales of measurement</p> <p>* Frequency distribution and graphical presentation of India</p> <p>* Mean, Median, Mode, Standard deviation</p> <p>* Normal probability and tests of significance.</p> <p>* Co-efficient of correlation</p> <p>* Statistical packages and</p>	<p>* Lecture discussion</p> <p>* Practice on graphical presentation</p> <p>* Practice on computation of measures of central tendency, variability and correlation</p>	<p>Short answer</p> <p>. Objective type</p>

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			its application		
VIII	4	* Communicate and utilize the research findings	<b>Communication and Utilization of Research</b>  * Communication of Research findings  <ul style="list-style-type: none"> <li>o Verbal report</li> <li>o Writing research report</li> <li>o Writing scientific article/paper</li> <li>- Critical review of published research</li> <li>- Utilization of research findings</li> </ul>	* Lecture discussion  * Read / presentations of a sample published / unpublished research report  * Writing group research project	Short answer  . Objective type  . Oral presentation  . Assessment of group research project

**Suggested Readings:**

1. Rose & Merry. "Nursing Research & Statistics".
2. Suresh K Sharma. "Nursing Research & Statistics".3<sup>rd</sup> Edition, Elsevier Publication, New Delhi.
3. Polit and Beck. "Nursing Research & Statistics".
4. Mamila Dey ". Nursing Research & Biostatistics." 1<sup>st</sup> edition. JAYPEE Publication; 2016.
5. Ranjith Augustine. ". Nursing Research made Easy" 1<sup>st</sup> edition. JAYPEE Publication; 2016.

**Subject Title: Midwifery and Obstetrical Nursing Course Code: NURS-401**

**Placement:** Fourth Year

**Time:** Theory - 90 hours

**Practical - 180 hours**

**Course Description:** This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant women during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal & high risk neonates & participate in family welfare programme.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	3	Recognize the trends & issues in midwifery and obstetrical nursing	<p><b>Introduction to midwifery and obstetrical Nursing</b></p> <ul style="list-style-type: none"> <li>• Introduction to concepts of midwifery and obstetrical Nursing</li> <li>• Trends in midwifery and obstetrical nursing                             <ul style="list-style-type: none"> <li>○ Historical perspectives and current trends</li> <li>○ Legal and ethical aspects</li> <li>○ Pre-conception care and preparing for parenthood</li> <li>○ Role of nurse in midwifery and obstetrical care</li> <li>○ National policy and legislation in relation to maternal health &amp; welfare</li> <li>○ Maternal, morbidity, mortality and fertility rates</li> <li>○ Perinatal, morbidity and mortality rates</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts and graphs</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
II	8	Describe the anatomy & physiology of	<p><b>Review of anatomy &amp; physiology of female reproductive system and fetal development</b></p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Review with</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> </ul>



		female reproductive system	<ul style="list-style-type: none"> <li>• Female pelvis- general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape</li> <li>• Female organs of reproduction - external genitalia, internal genital organs and their anatomical relations, musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum</li> <li>• Physiology of menstrual cycle</li> <li>• Human sexuality</li> <li>• Fetal development             <ul style="list-style-type: none"> <li>○ Conception</li> <li>○ Review of fertilization, implantation (embedding of the ovum), development of the embryo &amp; placenta at term functions, abnormalities, the fetal sac, amniotic fluid, the umbilical chord,</li> <li>○ Fetal circulation, fetal skull, bones, sutures and measurements</li> </ul> </li> <li>• Review of Genetics</li> </ul>	Charts and models	<ul style="list-style-type: none"> <li>• Objective type</li> </ul>
III	8	Describe the diagnosis & management of women during antenatal period	<p><b>Assessment and management of pregnancy (ante-natal)</b></p> <ul style="list-style-type: none"> <li>• Normal pregnancy</li> <li>• Physiological changes during pregnancy             <ul style="list-style-type: none"> <li>○ Reproductive system</li> <li>○ Cardio vascular system</li> <li>○ Respiratory system</li> <li>○ Urinary system</li> <li>○ Gastro intestinal system</li> <li>○ Metabolic changes</li> <li>○ Skeletal changes</li> <li>○ Skin changes</li> <li>○ Endocrine system</li> <li>○ Psychological changes</li> <li>○ Discomforts of pregnancy</li> </ul> </li> <li>• Diagnosis of pregnancy             <ul style="list-style-type: none"> <li>○ Signs</li> <li>○ Differential diagnosis</li> <li>○ Confirmatory tests</li> </ul> </li> <li>• Ante-natal care             <ul style="list-style-type: none"> <li>○ Objectives</li> <li>○ Assessment</li> </ul> </li> <li>- History and physical</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Case discussion/ presentation</li> <li>• Health talk</li> <li>• Practice session</li> <li>• Counselling session</li> <li>• Supervised Clinical practice</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problems</li> </ul>

			<p>examination</p> <ul style="list-style-type: none"> <li>- Antenatal Examination</li> <li>- Signs of previous child-birth</li> </ul> <ul style="list-style-type: none"> <li>o Relationship of fetus to uterus and pelvis : Lie, Attitude, Presentation, Position</li> <li>o Per vaginal examination</li> <li>• Screening &amp; assessment for high risk;</li> <li>• Risk approach</li> <li>• History and Physical Examination</li> <li>• Modalities of diagnosis; Invasive &amp; Non-Invasive, ultrasonics, cardiotomography , NST, CST</li> <li>• Antenatal preparation</li> <li>o Antenatal counselling</li> <li>o Antenatal exercises</li> <li>o Diet</li> <li>o Substance use</li> <li>o Education for child-birth</li> <li>o Husband and families</li> <li>o Preparation for safe-confinement</li> <li>o Prevention from radiation</li> <li>• Psycho-social and cultural aspects of pregnancy</li> <li>o Adjustment to pregnancy</li> <li>o Unwed mother</li> <li>o Single parent</li> <li>o Teenage pregnancy</li> <li>o Sexual violence</li> <li>• Adoption</li> </ul>		
IV	12	<p>Describe the physiology and stages of labour</p> <p>Describe the management of women during intra-natal period</p>	<p><b>Assessment and management of intra-natal period</b></p> <ul style="list-style-type: none"> <li>• Physiology of labour, mechanism of labour</li> <li>• Management of labour <ul style="list-style-type: none"> <li>o First stage <ul style="list-style-type: none"> <li>Signs and symptoms of onset of labour; normal &amp; abnormal</li> <li>Duration <ul style="list-style-type: none"> <li>- Preparation of: <ul style="list-style-type: none"> <li>➤ Labour room</li> <li>➤ Woman</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> <li>- Assessment &amp; observation of women in labour ; partogram – maternal and fetal monitoring</li> <li>- Active management of labour,</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture</li> <li>Discussion</li> <li>•Demonstration</li> <li>•Case discussion/ presentation</li> <li>•Simulated practice</li> <li>•Supervised Clinical practice</li> <li>•Assessment of skills with checklist</li> <li>•Assessment of patient</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> </ul>

			<ul style="list-style-type: none"> <li>Induction of labour</li> <li>- Pain relief and comfort in labour                             <ul style="list-style-type: none"> <li>• Second stage</li> <li>○ Signs and symptoms; normal &amp; abnormal</li> <li>○ Duration</li> <li>○ Conduct of delivery ; principles and techniques</li> <li>○ Episiotomy (only if required)</li> <li>○ Receiving the new born</li> </ul> </li> <li>- Neonatal resuscitation ; initial steps and subsequent resuscitation</li> <li>- Care of umbilical cord</li> <li>- Immediate assessment including screening for congenital anomalies</li> <li>- Identification</li> <li>- Bonding</li> <li>- Initiate feeding</li> <li>- Screening and transportation of the neonate</li> <li>• Third stage                             <ul style="list-style-type: none"> <li>○ Signs and symptoms; normal &amp; abnormal</li> <li>○ Duration</li> <li>○ Method of placental expulsion</li> <li>○ Management; Principles and techniques</li> <li>○ Examination of the placenta</li> <li>○ Examination of perineum</li> </ul> </li> <li>• Maintaining records and reports</li> <li>• Fourth Stage</li> </ul>	management problems	<ul style="list-style-type: none"> <li>• Assessment of patient management problems</li> </ul>
V	5	<p>Describe the physiology of puerperium</p> <p>Describe the management of women during post-natal period</p>	<p><b>Assessment and management of women during post natal period</b></p> <ul style="list-style-type: none"> <li>• Normal puerperium; Physiology</li> <li>• Postnatal assessment and management                             <ul style="list-style-type: none"> <li>○ Promoting physical and emotional well-being</li> <li>○ Lactation management</li> <li>○ Immunization</li> </ul> </li> <li>• Family dynamics after child-birth</li> <li>• Family welfare services; methods, counselling</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture Discussion</li> <li>•Demonstration</li> <li>•Health talk</li> <li>•Practice session</li> <li>•Supervised Clinical practice</li> <li>•Assessment of patient management problems</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment Of patient</li> </ul>

			<ul style="list-style-type: none"> <li>Follow-up</li> <li>Records and reports</li> </ul>	Assessment of skills with checklist	management problems
VI	6	Describe the Identification and management of women with high risk pregnancy	<p><b>Assessment and management of normal neonates</b></p> <ul style="list-style-type: none"> <li>Normal Neonate: <ul style="list-style-type: none"> <li>Physiological adaptation,</li> <li>Initial &amp; Daily assessment</li> <li>Essential newborn care ; Thermal control,</li> <li>Breast feeding, prevention of infections</li> </ul> </li> <li>Immunization</li> <li>Minor disorders of newborn and its management</li> <li>Levels of Neonatal care (level I, II, &amp; III)</li> <li>At primary, secondary and tertiary levels</li> <li>Maintenance of Reports and Records</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Demonstration</li> <li>Practice Session</li> <li>Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with check list</li> <li>Assessment of patient management problems</li> </ul>
VII	10	Describe the Identification and management of women with high risk pregnancy	<p><b>High-risk pregnancy-assessment &amp; management</b></p> <ul style="list-style-type: none"> <li>Screening and assessment <ul style="list-style-type: none"> <li>Ultrasonics, cardiotomography, NST, CST, non-invasive &amp; invasive,</li> <li>Newer modalities of diagnosis</li> </ul> </li> <li>High –risk approach</li> <li>Levels of care; primary, secondary &amp; tertiary levels</li> <li>Disorders of pregnancy <ul style="list-style-type: none"> <li>Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic</li> <li>Pregnancy, vesicular mole,</li> <li>Ante-partum hemorrhage</li> </ul> </li> <li>Uterine abnormality and displacement</li> <li>Diseases complicating pregnancy <ul style="list-style-type: none"> <li>Medical and surgical conditions</li> <li>Infections, RTI(STD), UTI, HIV, TORCH</li> <li>Gynaecological diseases complicating pregnancy</li> <li>Pregnancy induced hypertension &amp; diabetes, Toxaemia of pregnancy,</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Demonstrate using video films, scan reports, photo graph etc</li> <li>Case discussion/ presentation</li> <li>Health talk</li> <li>Practice Session</li> <li>Supervised Clinical practice</li> <li>Assessment of skills with checklist</li> <li>Assessment of</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with check list</li> <li>Assessment of patient management problems</li> </ul>

			<ul style="list-style-type: none"> <li>hydramnios,</li> <li>○ Rh incompatibility</li> <li>○ Mental disorders</li> <li>● Adolescent pregnancy, Elderly primi and grand multipara</li> <li>● Multiple pregnancy</li> <li>● Abnormalities of placenta &amp; cord</li> <li>● Intra-uterine growth-retardation</li> <li>● Nursing management of mothers with high-risk pregnancy</li> <li>● Maintenance of Records and Report</li> </ul>	skills with checklist	
VIII	10	Describe management of abnormal labour  And obstetrical emergencies	<p><b>Abnormal Labour – assessment and management</b></p> <ul style="list-style-type: none"> <li>● Disorders in labour <ul style="list-style-type: none"> <li>○ CPD and contracted pelvis</li> <li>○ Malpositions and malpresentations</li> <li>○ Premature labour, disorders of uterine actions- precipitate labour, prolonged labour</li> <li>○ Complications of third stage: injuries to birth canal</li> </ul> </li> <li>● Obstetrical procedures and operations; <ul style="list-style-type: none"> <li>○ Presentation and prolapse of cord, Vasa Praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstretical shock</li> </ul> </li> <li>● Obstetrical procedures and operations; <ul style="list-style-type: none"> <li>○ Induction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations</li> </ul> </li> <li>● Nursing management of women undergoing Obstetrical operations &amp; procedures</li> </ul>	<ul style="list-style-type: none"> <li>● Lecture discussion</li> <li>● Demonstration</li> <li>● Case discussion/presentation</li> <li>● Practice session</li> <li>● Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> <li>● Objective type</li> <li>● Assessment of skills with check list</li> <li>● Assessment of patient management problems</li> </ul>
IX	4	Describe management of post natal complications	<p><b>Abnormalities during Postnatal Periods</b></p> <ul style="list-style-type: none"> <li>● Assessment and management of women with postnatal complications <ul style="list-style-type: none"> <li>○ Puerperal infections, breast engorgement &amp; infections, UTI, thrombo- Embolic disorders, post-partum hemorrhage, Eclampsia &amp; sub involution</li> <li>○ Psychological complications:</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Lecture discussion</li> <li>● Demonstration</li> <li>● Case</li> </ul>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> <li>● Objective type</li> <li>● Assessment of skills with</li> </ul>

			<ul style="list-style-type: none"> <li>- Post partum Blues</li> <li>- Post partum Depression</li> <li>- Post partum Psychosis</li> </ul>	discussion/pr esentation <ul style="list-style-type: none"> <li>• Supervised</li> </ul> Clinical practice	check list <ul style="list-style-type: none"> <li>• Assessment of patient management problems</li> </ul>
X	10	Identify the high risk neonates and their nursing management	<b>Assessment and management of High risk newborn</b> <ul style="list-style-type: none"> <li>• Admission of neonates in the neonatal intensive care units- protocols</li> <li>• Nursing management of :                             <ul style="list-style-type: none"> <li>- Low birth weight babies</li> <li>- Infections</li> <li>- Respiratory problems</li> <li>- haemolytic disorders</li> <li>- Birth injuries</li> <li>- Malformations</li> </ul> </li> <li>• Monitoring of high risk neonates</li> <li>• Feeding of high risk neonates</li> <li>• Organisation &amp; management of neonatal intensive care units</li> <li>• Infection control in neonatal intensive care units</li> <li>• Maintenance of reports and records</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussion/presentation</li> <li>• Supervise d clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patient management problems</li> </ul>
XI	4	Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers	<b>Pharmaco-therapeutics in obstetrics</b> <ul style="list-style-type: none"> <li>• Indication, dosage, action, contra indication &amp; side effects of drugs</li> <li>• Effect of drugs on pregnancy, labour &amp; puerperium,</li> <li>• Nursing responsibilities in the administration of drug in Obstetrics – oxytocins, Antihypertensives, diuretics, tocoyltic agents, anti-convulsants;</li> <li>• Analgesics and anaesthetics in obstetrics</li> <li>• Effects of maternal medication on</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Drug book Drug presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>

			fetus & neonate		
XII	10	<p>Appreciate the importance of family welfare programme</p> <p>Describe the methods of contraception &amp; role of nurse in family welfare programme</p>	<p><b>Family Welfare Programme</b></p> <ul style="list-style-type: none"> <li>• Population trends and problems in India</li> <li>• Concepts, aims, importance &amp; history of family welfare programme</li> <li>• National Population: dynamics, policy &amp; education</li> <li>• National family welfare programme; RCH, ICDS, MCH Safe motherhood</li> <li>• Organization &amp; administration at national, state, district, block and village levels</li> <li>• Methods of contraception; spacing, temporary &amp; permanent, Emergency contraception</li> <li>• Infertility and its management</li> <li>• Counselling for family welfare</li> <li>• Latest research in contraception</li> <li>• Maintenance of vital statistics</li> <li>• Role of national, international &amp; voluntary organizations</li> <li>• Role of a nurse in family welfare programme</li> <li>• Training/Supervision/Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant- Dai)</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Assessment of skills with checklist</li> </ul> <p>Assessment of field visits and project reports</p>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with check list, project and field visits reports</li> </ul>

**Suggested Readings:**

1. Sudha Salhan. "Textbook of Gynaecology".
2. DC Dutta. "Textbook of Obstetrics". 8<sup>th</sup> edition. JAYPEE Publication; 2015.
3. Myles. "Textbook for Midwives".
4. DC Dutta. "Textbook of Gynaecology". 7<sup>th</sup> edition. JAYPEE Publication; 2016.
5. Annamma Jacob. "A Comprehensive Textbook of Midwifery & Gynecological Nursing" 4<sup>th</sup> edition. JAYPEE Publication; 2015.

## Midwifery and Obstetrical Nursing – Practical

**Placement:** Fourth Year

**Time:** Practical - 180 hours

**Clinical Training** - 240 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Antenatal clinic/ OPD	2	<ul style="list-style-type: none"> <li>Assessment of pregnant women</li> </ul>	<ul style="list-style-type: none"> <li>Antenatal history taking</li> <li>Physical examination</li> <li>Recording of Weight &amp; B.P.</li> <li>Hb &amp; Urine testing for sugar and albumin</li> <li>Antenatal examination-abdomen and breast</li> <li>Immunization</li> <li>Assessment of risk status</li> <li>Teaching antenatal mothers</li> <li>Maintenance of Antenatal records</li> </ul>	<ul style="list-style-type: none"> <li>*Conduct Antenatal Examinations 30</li> <li>Health talk – 1</li> <li>Case book recordings</li> </ul>	<ul style="list-style-type: none"> <li>Verification of findings of Antenatal examinations</li> <li>Completion of casebook recordings</li> </ul>
Labour room O.T.	4	<ul style="list-style-type: none"> <li>Assess women in labour</li> <li>Carry out per-vaginal examinations</li> <li>Conduct normal deliveries</li> <li>Perform episiotomy &amp; suture it</li> <li>Resuscitate newborns</li> <li>Assist with Caesarean Sections, MTP and other surgical procedures</li> </ul>	<ul style="list-style-type: none"> <li>Assessment of women in labour</li> <li>Pervaginal examinations &amp; interpretation</li> <li>Monitoring &amp; caring of woman in labour</li> <li>Maintenance of partograph</li> <li>Conduct normal delivery</li> <li>Newborn assessment &amp; immediate care</li> <li>Resuscitation of newborns</li> <li>Assessment of risk status of newborn</li> <li>Episiotomy &amp; suturing</li> <li>Maintenance of labour &amp; birth records</li> <li>Arrange for &amp; assist with Caesarean section and care for woman &amp; baby during Caesarean</li> <li>Arrange for and assist with MTP and other surgical procedures</li> </ul>	<ul style="list-style-type: none"> <li>* Conduct normal deliveries-20</li> <li>* Pervaginal examinations - 5</li> <li>* Perform &amp; suture the episiotomies-5</li> <li>Resuscitate newborns-5</li> <li>* Assist with Caesarean sections-2</li> <li>* Witness abnormal deliveries-5</li> <li>Assist with MTP &amp; other surgical</li> </ul>	<ul style="list-style-type: none"> <li>Assessment of clinical performance with rating scale</li> <li>Assessment of each skill with checklists</li> <li>Completion of case book recordings</li> </ul>



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				procedures-1 • Case book recordings	
Post natal ward	4	<ul style="list-style-type: none"> <li>• Providing nursing care to post natal mother &amp; baby</li> <li>• Counsel &amp; teach mother &amp; family for parenthood</li> </ul>	<ul style="list-style-type: none"> <li>• Examination and assess-ment of mother and baby</li> <li>• Identification of deviations</li> <li>• Care of postnatal mother and baby</li> <li>• Perineal care</li> <li>• Lactation management</li> <li>• Breast feeding</li> <li>• Baby bath</li> <li>• Immunization,</li> <li>• Teaching postnatal mother: <ul style="list-style-type: none"> <li>○ Mother craft</li> <li>○ Post natal care &amp;</li> <li>○ Exercises</li> <li>○ Immunization</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• * Give care to Post natal mothers - 20</li> <li>• Health talks – 1</li> <li>• Case study –</li> <li>• Case pre-sentation -1</li> <li>• Case book recordings</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of clinical performance</li> <li>• Assessment of each skill with checklists</li> <li>• Completion of case book recording</li> <li>• Evaluation of case study &amp; presentation and health education sessions</li> </ul>
Newborn nursery	2	Provide nursing care to newborn at risk	<ul style="list-style-type: none"> <li>• Newborn assessment</li> <li>• Admission of neonates</li> <li>• Feeding of at risk neonates <ul style="list-style-type: none"> <li>○ Katori spoon, paladi, tube feeding, total parenteral nutrition</li> </ul> </li> <li>• Thermal management of neonates- kangaroo mother care, care of baby in incubator</li> <li>• Monitoring and care of neonates</li> <li>• Administering medications</li> <li>• Intravenous therapy</li> <li>• Assisting with diagnostic procedure</li> <li>• Assisting with exchange transfusion</li> <li>• Care of baby on ventilator</li> <li>• Phototherapy</li> <li>• Infection control protocols in the nursery</li> <li>• Teaching &amp; counselling of parents</li> <li>• Maintenance of neonatal records</li> </ul>	<ul style="list-style-type: none"> <li>• Case study-1</li> <li>• Observation study - 1</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of clinical performance</li> <li>• Assessment of each skill with checklists</li> <li>• Evaluation of and observation study</li> </ul>
Family Planning	Rotation from	<ul style="list-style-type: none"> <li>• Counsel for and provide</li> </ul>	<ul style="list-style-type: none"> <li>• Counselling technique</li> <li>• Insertion of IUD</li> </ul>	<ul style="list-style-type: none"> <li>• * IUD insertion -</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of each skill</li> </ul>

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clinic	post natal ward 1 wk	family welfare services	<ul style="list-style-type: none"> <li>• Teaching on use of family planning methods</li> <li>• Arrange for &amp; Assist with family planning operations</li> <li>• Maintenance of records and reports</li> </ul>	5 <ul style="list-style-type: none"> <li>• Observati on study - 1</li> <li>• Counsellin g -2</li> <li>• Simulation exercise on recording &amp; reporting - 1</li> </ul>	with checklists <ul style="list-style-type: none"> <li>• Evaluation of and observation study</li> </ul>
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**\* Essential Requirements for registration as midwife:**

* Antenatal examination	30
* Conducting normal deliveries in hospital/home/health centre	20
* Vaginal examination	5
* Episiotomy and suturing	5
* Neonatal resuscitation	5
* Assist with Caesarean Section	2
* Witness/Assist abnormal deliveries	5
* Postnatal cases nursed in hospital/home/health centre	20
* Insertion of IUD	5

Note: All casebooks must be certified by teacher on completion of essential requirements

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**Clinical Training**

**Obstetrical Nursing**

**Duration - 5 weeks**

Area	Duration (in weeks)	Objective	Skills	Assignment	Assessment Methods
Labour ward	2	<ul style="list-style-type: none"> <li>• Provide comprehensive care to mothers and neonates</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>• Completion of other essential requirements</li> <li>• Case book recordings</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Completion of case book recordings</li> </ul>
Neonatal intensive care unit/ NICU	1				
Antenatal	2				

**Subject Title: Community Health Nursing – II**

**Course Code: NURS-402**

**Placement:** Fourth Year

**Time:** Theory - 90 Hours

**Practical - 135 Hours**

**Course Description:** This course is designed for students to practice Community Health Nursing for the individual, family and groups at both urban and rural settings by using concept and Principles of Health and Community Health Nursing

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Contents</b>	<b>Teaching Learning Activity</b>	<b>Assessment Methods</b>
I	4	* Define Concepts, scope, principles and historical development of community health and community Health nursing	<p><b>Introduction</b></p> <p>* Definition, concept and scope of Community Health and Community Health Nursing</p> <p>* Historical development of</p> <ul style="list-style-type: none"> <li>○ Community Health</li> <li>○ Community Health Nursing</li> <li>- Pre-independence</li> <li>- Post-independence</li> </ul>	* Lecture discussion	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> </ul>
II	6	* Describe health plans, policies, various health committees and health problems in India	<p><b>Health planning and policies and problems</b></p> <p>* National Health planning in India – 5 year plans</p> <p>* Various committees and commissions on health and family welfare</p> <ul style="list-style-type: none"> <li>○ Central council for health and family welfare (CCH and FW)</li> <li>○ National Health Policies (1983, 2002)</li> <li>○ National Population policy</li> <li>● Health problems in India</li> </ul>	<p>* Lecture discussion</p> <p>* Panel discussion</p>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> </ul>

III	15	<p>* Describe the system of delivery of Community Health Services in Rural and Urban areas</p> <p>* List the functions of various levels and their staffing pattern</p> <p>* Explain the components of health services</p> <p>* Describe alternative system of health promotion and health maintenance</p> <p>* Describe the chain of referral system</p>	<p><b>Delivery of Community Health Services</b></p> <p>* Planning, Budgeting and material management of SCs, PHC and CHC</p> <p>* Rural: Organization, staffing and functions of Rural Health Services provided by Govt. at :</p> <ul style="list-style-type: none"> <li>○ Village</li> <li>○ Sub-centre</li> <li>○ Primary Health Centre</li> <li>○ Community Health Centre/Sub divisional</li> <li>○ Hospitals</li> <li>○ District</li> <li>○ State</li> <li>○ Centre</li> </ul> <p>* Urban: Organization, staffing and functions of urban health services provided by Govt. at :</p> <ul style="list-style-type: none"> <li>○ Slums</li> <li>○ Dispensaries</li> <li>○ Maternal and child health centres</li> <li>○ Special clinics</li> <li>○ Hospitals</li> <li>○ Corporation/Municipality/Board</li> </ul> <p>* Components of Health Services</p> <ul style="list-style-type: none"> <li>○ Environmental sanitation</li> <li>○ Health Education</li> <li>○ Vital statistics</li> <li>○ MCH – Antenatal, Natal, Postnatal, MTP act, female feticide act, child adaptation act.</li> <li>○ Family welfare]</li> <li>○ National Health programmes</li> <li>○ School Health Services</li> <li>○ Occupational Health</li> <li>○ Defence services</li> <li>○ Institutional services</li> </ul> <p>* Systems of medicine and health</p>	<p>* Lecture discussion</p> <p>* Visits to various health delivery systems</p> <p>* Supervised field practice</p> <p>* Panel discussion</p>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> </ul>

			<p>care</p> <ul style="list-style-type: none"> <li>○ Allopathy</li> <li>○ Indian system of medicine and Homeopathy</li> <li>○ Alternative health care systems like yoga, meditation, social and spiritual healing etc</li> </ul> <p>* Referral system</p>		
IV	25	<p>* Describe Community Health Nursing approaches and concepts</p> <p>* Describe the roles and responsibility of Community Health Nursing Personnel</p>	<p><b>Community Health Nursing approaches, concepts and roles and responsibilities of Nursing Personnel</b></p> <p>* Approaches</p> <ul style="list-style-type: none"> <li>○ Nursing Theories and Nursing process</li> <li>○ Epidemiological approach</li> <li>○ Problem solving approach</li> <li>○ Evidence based approach</li> <li>○ Empowering people to care for themselves</li> </ul> <p>* Concepts of Primary Health Care:</p> <ul style="list-style-type: none"> <li>○ Equitable distribution</li> <li>○ Community participation</li> <li>○ Focus on prevention</li> <li>○ Use of appropriate technology</li> <li>○ Multi-sectoral approach</li> </ul> <p>* Roles and responsibilities of Community Health Nursing personnel in</p> <ul style="list-style-type: none"> <li>○ Family Health services</li> <li>○ Information education communication (IEC)</li> <li>○ Management information system (MIS): Maintenance of records and reports</li> <li>○ Training and supervision of various categories of health workers</li> <li>○ National Health programmes</li> <li>○ Environmental sanitation</li> <li>○ Maternal and child health and family welfare</li> </ul>	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Practice session</p> <p>* Supervised field practice</p> <p>* Participation in camps</p> <p>* Group Project</p>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> </ul>

			<ul style="list-style-type: none"> <li>○ Treatment of minor ailments</li> <li>○ School Health services</li> <li>○ Occupational Health</li> <li>○ Organization of clinics, camps: types, preparation, planning, conduct and evaluation</li> <li>○ Waste management in the centre, clinics etc.</li> </ul> <p>* Home visit: concept, principles, process techniques: bag technique home visit</p> <p>* Quantities of community health nurse</p> <p>* Job description of community Health Nursing personnel</p>		
V	15	* Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health	<p><b>Assisting individuals and groups to promote and maintain their health</b></p> <p>* Empowerment for self care of individuals, families and groups in -</p> <p><b>A. Assessment of self and family</b></p> <ul style="list-style-type: none"> <li>○ Monitoring growth and development</li> <li>- Mile stones</li> <li>- Weight measurement</li> <li>- Social development</li> <li>○ Temperature and Blood pressure monitoring</li> <li>○ Menstrual cycle</li> <li>○ Breast self examination and testicles</li> <li>○ Warning Signs of various diseases</li> <li>○ Tests: Urine for sugar and albumin, blood sugar</li> </ul> <p><b>B. Seek health services for</b></p> <ul style="list-style-type: none"> <li>○ Routine check up</li> <li>○ Immunization</li> <li>○ Counselling</li> <li>○ Diagnosis</li> <li>○ Treatment</li> <li>○ Follow up</li> </ul> <p><b>C. Maintenance of health records for</b></p>	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Practice session</p> <p>* Supervised field practice</p> <p>* Individual / group/family/ community health education</p>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> </ul>

			<p>self and family</p> <p><b>D. Continue medical care and follow up in community for various diseases and disabilities</b></p> <p><b>E Carryout therapeutic procedures as prescribed / required for self and family</b></p> <p><b>F. Waste Management</b></p> <p>* Collection and disposable of waste at home and community</p> <p><b>G. Sensitize and handle social issues affecting health and development for self and family</b></p> <p>* Women Empowerment</p> <p>* Women and child abuse</p> <p>* Abuse of elders</p> <p>* Female Feticide</p> <p>* Commercial sex workers</p> <p>* Food adulteration</p> <p>* Substance abuse</p> <p>H. Utilize community resources for self and family</p> <ul style="list-style-type: none"> <li>○Trauma services</li> <li>○Old age homes</li> <li>○Orphanage</li> <li>○Homes for physically and mentally challenged individuals</li> <li>○Homes for destitute</li> </ul>		
VI	20	* Describe national health and family welfare	<p><b>National health and family welfare programmes and the role of a nurse</b></p> <p>1) National ARI programme</p> <p>2) Revised National Tuberculosis</p>	<p>* Lecture discussion</p> <p>* Participation in National Health Programmes</p>	<p>• Essay type</p> <p>• Short answers</p>



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		<p>programmes and role of a nurse</p> <p>* Describe the various health schemes in India</p>	<p>Control Programme (RNTCP)</p> <p>3) National Anti-Malaria programme</p> <p>4) National Filaria control programme</p> <p>5) National Guinea worm eradication programme</p> <p>6) National Leprosy eradication programme</p> <p>7) National AIDS control programme</p> <p>8) STD control programme</p> <p>9) National programme for control of blindness</p> <p>10) Iodine deficiency disorder programme</p> <p>11) Expanded programme on immunization</p> <p>12) National Family Welfare Programme – RCH Programme historical development, organization, administration, research, constraints</p> <p>13) National water supply and sanitation programme</p> <p>14) Minimum Need programme</p> <p>15) National Diabetics control programme</p> <p>16) Polio Eradication: Pulse Polio Programme</p> <p>17) National Cancer Control Programme</p> <p>18) Yaws Eradication Programme</p> <p>19) National Nutritional Anaemia</p>	<p>* Field visits</p>	
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			<p>Prophylaxis programme</p> <p>20) 20 point programme</p> <p>21) ICDS programme</p> <p>22) Mid-day meal applied nutritional programme</p> <p>23) National mental health programme</p> <p>* Health Schemes</p> <ul style="list-style-type: none"> <li>○ ESI</li> <li>○ CGHS</li> <li>○ Health insurance</li> </ul>		
VII	5	Explain the roles and functions of various national and international health agencies	<p><b>* Health Agencies</b></p> <p><b>International</b> – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc.</p> <p><b>National</b> – Indian Red Cross, Indian council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women’s conference, Blind Association of India etc.</p>	<p>* Lecture discussion</p> <p>* Field Visits</p>	<ul style="list-style-type: none"> <li>● Essay type</li> <li>● Short answers</li> </ul>

**Suggested Readings:**

6. K. Park. “Preventive and Social Medicine” 21<sup>st</sup> edition Banarsidas Bhamt Publishers;2012
7. Park K. “Essentials of Community Health Nursing” 5<sup>th</sup> edition. Banarsidas Bhamt Publishers; 2012.
8. I Clement. “Manual of Community Health Nursing” 1<sup>st</sup> edition. JAYPEE Publication; 2012.
9. S Kamalam. “Essentials in Community Health Nursing” 3<sup>rd</sup> edition. JAYPEE Publication; 2017.
10. Manual of Community Health Nursing by TNAI.

## Community Health Nursing – II – Practical

Placement: Fourth Year

Time: Practical - 135 hours

Clinical Training - 195 hours

Areas	Durat-ion(in week)	Objectives	Skills	Assignments	Assessment Methods
Community health nursing	1 wk. for Urban  4 wk for Rural	<ul style="list-style-type: none"> <li>* Identify Community Profile</li> <li>* Identify prevalent communicable and non-communicable diseases</li> <li>* Diagnose health needs of individual, families and community</li> <li>* Plan, provide and evaluate care</li> <li>* Participate in School Health Program</li> <li>* Participate in National Health programs</li> <li>* Organize group for self help and involve clients in their own health activities</li> <li>* provide family</li> </ul>	<ul style="list-style-type: none"> <li>* Community Health Survey</li> <li>* Community diagnosis</li> <li>* Family care: Home adaptation of common procedures</li> <li>* Home visit: bag technique</li> <li>* Organize and conduct Clinicals – antenatal, postnatal, well baby clinic, camps etc.</li> <li>* Screen manage and referrals for:                             <ul style="list-style-type: none"> <li>○ High risk mothers and neonates</li> <li>○ Accidents and emergencies</li> <li>○ Illness : Physical and mental</li> <li>○ Disabilities</li> </ul> </li> <li>* Conduct delivery at centre/home: Episiotomy and suturing</li> <li>* Resuscitate new born</li> <li>* School Health programme                             <ul style="list-style-type: none"> <li>○ Screen, manage, refer children</li> </ul> </li> <li>* Collaborate with health and allied agencies</li> </ul>	<ul style="list-style-type: none"> <li>* Community survey report-1</li> <li>* Family care study-1</li> <li>* Project – 1</li> <li>* Health talk -1</li> <li>* Case book recording</li> </ul>	<ul style="list-style-type: none"> <li>* Assess clinical performance with rating scale</li> <li>* Evaluation of community survey report, family care study, project and health talk</li> <li>* Completion of activity record.</li> <li>* Completion of case book recording</li> </ul>

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		<p>welfare services</p> <p>* Counsel and educate individual, family and community</p> <p>* Collect vital health statistics</p> <p>* Maintain records and reports</p>	<p>* Train and supervise health workers</p> <p>* Provide family welfare services: Insertion of IUD</p> <p>* Counsel and teach individual, family and community about: HIV, TB, Diabetics, hypertension, Mental health, adolescents, elderly health, physically and mentally challenged individuals etc.</p> <p>* Collect and Calculate Vital health statistics</p> <p>* Document and maintain</p> <ul style="list-style-type: none"> <li>○ Individual, family and administrative records.</li> <li>○ Write reports-center, disease, national health programme/projects</li> </ul>		
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**Placement:** Clinical Training

**Time:** 4 Weeks

<b>Area</b>	<b>Duration</b>	<b>Objectives</b>	<b>Skills</b>	<b>Assessment</b>
Urban	4 Weeks	* Provide comprehensive care to individual, family and community	* Integrated Practice and group project – 1 in each rural and urban	<p>* Assess clinical performance with rating scale</p> <p>* Evaluation of project</p>

**Subject Title: Management of Nursing Services and Education**

**Course Code: NURS-403**

**Placement:** Fourth Year

**Time:** Theory - 90 Hours

**Course Description:** This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	4		* Explain the principles and functions of management	<b>Introduction to management in nursing</b> * Definition, concepts and theories * Functions of management * Principles of Management * Role of Nurse as a manager	* Lecture Discussion  * Explain using organization chart	Short answers
II	5		* Describe the elements and process of management	<b>Management Process</b> * Planning; mission, philosophy, objectives, operational plan * Staffing: Philosophy, staffing study, norms, activities, patient, classification systems, scheduling * Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc * Budgeting: concept, principles, types, cost benefit analysis, audit * Material management: equipment	* Lecture Discussion  * Simulated Exercises  * Case studies	Essay type  . Short answer

				<p>and supplies</p> <ul style="list-style-type: none"> <li>* Directing process (Leading)</li> <li>* Controlling: Quality management</li> <li>* program Evaluation Review Technique (PERT) , Bench marking, Activity Plan (Gantt Chart),</li> </ul>		
III	8	20	<p>* Describe the Management of nursing services in the hospital and community</p>	<p><b>Management of nursing services in the hospital and Community</b></p> <ul style="list-style-type: none"> <li>* Planning:                             <ul style="list-style-type: none"> <li>○ Hospital and patient care units including ward management</li> <li>○ Emergency and disaster management</li> </ul> </li> <li>* Human resource management:                             <ul style="list-style-type: none"> <li>○ Recruiting, selecting, deployment, retaining, promoting, superannuation etc.</li> <li>○ Categories of nursing personnel including job description of all levels</li> <li>○ Patient /population classification systems</li> <li>○ Patients/population assignment and Nursing care responsibilities</li> <li>○ Staff development and welfare</li> </ul> </li> <li>* Budgeting: proposal, projecting requirements for staff, equipments and supplies for                             <ul style="list-style-type: none"> <li>○ Hospital and patient care units</li> <li>○ Emergency and disaster management</li> </ul> </li> <li>* Material Management; procurement, inventory control, auditing and maintenance in                             <ul style="list-style-type: none"> <li>○ Hospital and patient care units</li> <li>○ Emergency and disaster management</li> </ul> </li> <li>* Directing and leading: delegation, participatory management                             <ul style="list-style-type: none"> <li>○ Assignments, rotations, delegations</li> <li>○ Supervision &amp; guidance</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>* Lecture</li> <li>Discussion</li> <li>* Demonstration</li> <li>* Simulated Exercises</li> <li>* Case studies</li> <li>* Supervised practice in ward-writing indents, preparing duty roaster, ward supervision</li> <li>* Assignment on duties and responsibilities of ward sister</li> <li>* Writing report</li> <li>* Assessment of the assignments</li> <li>* Performance evaluation by ward sister with rating scale</li> </ul>	<p>Essay type</p> <ul style="list-style-type: none"> <li>. Short answers</li> <li>. Assessment of problem solving exercises.</li> <li>. Assessment of the assignments</li> <li>. Performance evaluation by ward sister with rating scale.</li> </ul>

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				<ul style="list-style-type: none"> <li>○ Implement standards, policies, procedures and practices</li> <li>○ Staff development and welfare</li> <li>○ Maintenance of discipline</li> </ul> <p>* Controlling / Evaluation:</p> <ul style="list-style-type: none"> <li>○ Nursing Rounds/visits, Nursing protocols, Manuals</li> <li>○ Quality Assurance Model, documentation-</li> <li>○ Records and report</li> </ul> <p>Performance appraisal</p>		
IV	5		* Describe the concepts, theories and techniques of Organizational behaviour and human relations	<p><b>Organizational behaviour and human relations</b></p> <p>* Concepts and theories of organizational behaviours</p> <p>* Review of Channels of communication</p> <p>* Leadership styles</p> <p>* Review of Motivation; concepts and theories</p> <p>* Group dynamics</p> <p>* Techniques of;</p> <ul style="list-style-type: none"> <li>○ Communication; and</li> <li>○ Interpersonal relationships</li> <li>○ Human relations;</li> </ul> <p>* Public relations in context of nursing</p> <p>* Relations with professional associations and employee unions and Collective bargaining</p>	<p>* Lecture Discussion</p> <p>* Role plays</p> <p>* Group games</p> <p>* Self assessment</p> <p>* Case discussion</p> <p>* Practice Session</p> <p>* Assessment of problem solving</p>	<p>Essay type</p> <p>. Short answers</p>
V	5	5	* Participate in planning and organizing in service education program	<p><b>In Service education</b></p> <p>* Nature &amp; scope of in -service education program,</p> <p>* Organization of in-service education</p> <p>* Principles of adult learning,</p> <p>* Planning for in-service education program, techniques, methods and</p>	<p>* Lecture Discussion</p> <p>* Plan and conduct an educational session for in service nursing personnel</p>	<p>. Short Answer</p> <p>. Objective type</p> <p>. Assess the planning &amp;</p>

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			evaluation of staff education program. * Preparation of report	* Assess the planning & conduct of the educational session	conduct of the educational session
VI	10	* Describe management of Nursing education institutions	<p><b>Management of nursing educational institutions</b></p> <p>* Establishment of Nursing educational institution-INC norms and guidelines</p> <p>* Co-ordination with-</p> <ul style="list-style-type: none"> <li>○ Regulatory bodies</li> <li>○ Accreditation</li> <li>○ Affiliation</li> <li>- Philosophy/objectives</li> <li>- Organization</li> <li>○ Structure</li> <li>○ Committees</li> <li>- Physical facilities</li> <li>○ College/School</li> <li>○ Hostel</li> <li>- Students <ul style="list-style-type: none"> <li>▪ Selection</li> <li>▪ Admission</li> <li>▪ Guidance and Counselling</li> <li>▪ Maintaining discipline</li> </ul> </li> <li>- Faculty and staff</li> <li>○ Selection</li> <li>○ Recruitment</li> <li>○ Job description</li> <li>○ Placement</li> <li>○ Performance appraisal</li> <li>○ Development and welfare</li> <li>● Budgeting</li> <li>● Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc.</li> <li>● Curriculum; Planning, implementation and evaluation,</li> <li>● Clinical facilities</li> <li>● Transport facilities</li> <li>● Institutional Records and reports –</li> </ul>	<p>* Lecture Discussion</p> <p>* Role plays</p> <p>* Counselling session</p> <p>* Group Exercises</p>	<p>. Essay type</p> <p>. Short answers</p>



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				Administrative, faculty, staff and students.		
VII	10		<p>* Describe the ethical and legal responsibilities of a professional nurse.</p> <p>* Explain the nursing practice standards</p>	<p><b>Nursing as a Profession</b></p> <p>* Nursing as a profession</p> <ul style="list-style-type: none"> <li>○ Philosophy; nursing practice</li> <li>○ Aims and objectives</li> <li>○ Characteristics of a professional nurse</li> <li>○ Regulatory bodies; INC, SNC Acts; - Constitution, functions</li> <li>○ Current trends and issues in Nursing</li> </ul> <p>* Professional ethics</p> <ul style="list-style-type: none"> <li>○ Code of ethics; INC, ICN</li> <li>○ Code of professional conduct; INC, ICN</li> </ul> <p>* Practice standards for Nursing; INC</p> <p>* Consumer protection Act</p> <p>* Legal aspects in Nursing</p> <ul style="list-style-type: none"> <li>○ Legal terms related to practice; registration and licensing</li> <li>○ Laws related to Nursing practice, Breach and Penalties</li> <li>○ Malpractice and negligence</li> </ul>	<p>* Lecture Discussion</p> <p>* Case discussion</p> <p>* Panel discussion</p> <p>* Role plays</p> <p>* Critical incidents</p> <p>* Visit to INC/SNRCs</p> <p>* Assessment of critical incidents</p>	<p>Short answers</p> <p>Assessment of critical Incidents.</p>
VIII	3		<p>* Explain the various opportunities for professional advancement</p>	<p><b>Professional Advancement:</b></p> <p>* Continuing education</p> <p>* Career opportunities</p> <p>* Collective bargaining</p> <p>* Membership with professional organization; National and International</p> <p>* Participation in research activities</p> <p>* Publications; Journals, newspapers etc.</p>	<p>* Lecture Discussion</p> <p>* Review / Presentation of published articles</p> <p>* Group work on maintenance of bulletin board.</p>	<p>Short answers</p>

**Suggested Readings:**

1. Jogindra Vati. "Principles & Practice of Nursing Management and Administration" 1<sup>st</sup> edition. JAYPEE Publication; 2013.
2. Jones. "Nursing Leadership and Management" 1<sup>st</sup> edition. JAYPEE Publication; 2008.
3. Kaur & Kaur. "Textbook of Nursing Management and Services" 1<sup>st</sup> edition. JAYPEE Publication; 2013.
4. C Manivannan, et al. "Textbook of Nursing Management and Services & Education" 1<sup>st</sup> edition. JAYPEE Publication; 2016.
5. Weiss & Tappen. "Essentials of Nursing Leadership & Management" 6<sup>th</sup> edition. JAYPEE Publication; 2014.

## **Examination Rules and Regulation & Scheme of Examination**

### **Rules & Regulations of Examination**

#### **Annual Registration:**

A student has to complete the online registration process at the beginning of the every academic year.

#### **The Prefinal and Final Examinations Dates:**

Prefinal examination– September

Final examination – October

#### **Scheme of Examination:**

##### **Examination (General Annual)**

The following examinations shall be conducted by the University every year on such dates and at such places as may be fixed from time to time. A candidate for any examination of this University shall on or before the date prescribed for the purpose submit to the Controller of Examinations / HOD/Principal his/her examination form for appearing in the examination along with prescribed examination fees.

- A candidate must have minimum of 80% attendance in theory and 100% in practical before appearing in final examination.
- A candidate having less than 80% attendance in theory and less than 100% in practical is not eligible for final examination.
- In case of practical, if the candidate is not fulfilling the above mentioned criteria, he/she has to compensate the practical hours in clinical areas (Hospital), before appearing in the final examination. If the candidate fails to compensate the practical hours then he/she is not eligible for the final examination.

#### **In the scheme of examination there are two components.**

- ✓ Internal Assessment /Internal Component
- ✓ External Assessment/ External Component

- **Internal Assessment:**

#### **Theory:**

Internal assessment of theory will be based on following grounds:

<b>Criteria</b>	<b>Marks</b>
Class presentation	10
Minor I	15
Minor II	10

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Class Attendance	20
Library	5
Assignments	5
Discipline	5
Seminar/Workshop	10
Pre-university Examination (Send-up)	20
<b>Total Marks</b>	<b>100</b>

Overall weightage for the internal assessment of each subject shall be out of 25 marks.

### **Practical:**

Internal assessment of practical will be based on following grounds:

<b>Criteria</b>	<b>Marks</b>
Clinical Presentation	10
Health Education	10
Clinical Dairy	5
Practical Record Book	5
Discipline	5
Clinical Attendance	20
Observational Report	5
Clinical demonstration	5
Nursing Process	10
Health Assessment	5
Practical Examination	20
<b>Total Marks</b>	<b>100</b>

Overall weightage for the internal assessment of practical of each subject shall be out of 100 marks.

### **External Assessment (Final Examination):**

A candidate is eligible to appear in the final examination (external component) for theory as well as practical papers shall have to satisfy the following conditions:

- Qualification of Internal Component.
- Must have secured the minimum percentage of attendance.
- A candidate must have minimum pass marks of 50% in each of the theory and practical papers separately except English for which the passing marks shall be 40%.
- Duration of each paper shall be of 3 hours and there will be no unitization of the syllabus.
- Maximum marks for each theory subject and practical will be 75 and 100 respectively.

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- As per INC guidelines, it is mandatory for all the nursing colleges that the final examination should be conducted annually, in case a student fails in one or more subjects, he/she shall be eligible for supplementary examination after six months. However, he/she can be permitted for admission to next year.
- A candidate has to pass in theory and practical separately in each of the paper, if a student fails in either theory or practical paper , he /she has to re-appear in both theory and practical examination.
- The candidate shall have to clear all the previous examination before appearing for final year examination. The maximum period to complete the course successfully should not exceed 8 years.

### **Supplementary examination:**

The following categories of candidates shall be eligible to appear in the Supplementary examination:-

1. The supplementary examination shall be conducted after six months of the declaration of annual regular examination results.
2. In supplementary examination only the external component of any subject will be conducted in case a candidate fails in the final examination.
3. The candidate, who has not appeared in the final examination due to any reason, however has already qualified the pre final examination. (Internal Assessment )
4. A candidate who has appeared in the final examination, but has been found guilty of unfair means / misconduct by the competent resulting in cancellation of the said paper.
5. A candidate who has not completed formative assessment (internal component) successfully is not eligible for supplementary examination. He/she has to complete the internal assessment first then only can appear in final examination of next year.

### **Backlog Examination:**

1. A student who appeared in supplementary examination and has failed again shall be eligible to appear in backlog examination which shall be conducted annually with the regular annual examination.
2. The candidate has to fulfill all the eligibility conditions to appear in the backlog examinations that are laid down to appear in the supplementary examination.

### **Re-Evaluation:**

A candidate who wishes to seek re-evaluation of his/her end term examination answer book(s) may apply for re-evaluation to the Office of Controller Examination, Islamic University of Science & Technology (IUST), Awantipora on the prescribed online application form within 15 days from the date of declaration of the result of the particular examination. The prescribed re-evaluation fee of Rs. 200/= per paper can be paid online/offline. No refund of fee shall be admissible.

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The re-evaluation will be done by a second independent evaluator to be identified by the Departmental Monitoring Committee (DMC) of the concerned department. The final result after re-evaluation shall be as follows:

- a) "If the difference between the original award and award on re-evaluation is up to 20%, the average of the two shall be awarded"
- b) "If the difference between the original award and the award on re-evaluation is more than 20%, another independent evaluator is to be appointed by the same DMC and the average of the higher of the two awards shall be awarded."

No further re-assessment shall be allowed after the award(s) by Re-evaluators has / have been submitted and the result of re-evaluation whether favourable or unfavourable, shall be binding on the candidate who had applied for re-evaluation.

### **Re-Registration:**

**The following students are eligible to re-register for the subject (theory as well as practical) satisfying the following conditions:**

1. A student who falls under the attendance shortage in a particular subject shall have to re-register the subject at the beginning of the academic year with the regular students by depositing the fee of Rs. 500 /= per paper.
2. The student has to acquire the minimum attendance requirement and has to complete all the practical work and other assignments in the current academic session with the regular students.
3. A student who fails or has not appeared in the pre final examination shall also have to re-register the subject by depositing the fee of Rest. 500 /= per paper.

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### Scheme of Examination:

#### First Year

Subject	Assessment			
Theory	Hours	Internal	External	Total
1. Anatomy & Physiology	3	25	75	100
2. Nutrition & Biochemistry	3	25	75	100
3. Nursing Foundations	3	25	75	100
4. Psychology	3	25	75	100
5. Microbiology	3	25	75	100
6. English	3	25	75	100
7. Introduction to computers		25	75	100
<b>Practical and viva Voice</b>		100	100	200
1. Nursing Foundations				

#### Second Year:

Subject	Assessment			
Theory	Hours	Internal	External	Total
8. Sociology	3	25	75	100
9. Medical Surgical Nursing - I	3	25	75	100
10. Pharmacology, Pathology & Genetics	3	25	75	100
11. Community Health Nursing-I	3	25	75	100
12. Communication & Education Technology	3	25	75	100
<b>Practical and Viva Voice</b>		100	100	200
2. Medical-Surgical Nursing-I				

#### Third Year:

Subject	Assessment			
Theory	Hours	Internal	External	Total
13. Medical Surgical Nursing - II	3	25	75	100
14. Child Health Nursing	3	25	75	100
15. Mental Health Nursing	3	25	75	100
16. Nursing Research & Statistics	3	25	75	100
<b>Practical and Viva Voice</b>		50	50	100
3. Medical-Surgical Nursing-I				
4. Child Health Nursing		50	50	100
5. Mental Health Nursing		50	50	100

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### Fourth Year:

Subject	Assessment				
	Theory	Hours	Internal	External	Total
17. Midwifery & Obstetrical Nursing		3	25	75	100
18. Community Health Nursing-II		3	25	75	100
19. Management of Nursing Services and Education		3	25	75	100
<b>Practical and viva Voice</b>			100	100	200
6. Midwifery & Obstetrical Nursing					
7. Community Health Nursing			100	100	200

### INC Guidelines:

1. Anatomy and Physiology- Question paper will consist of Section A Anatomy of 37 marks and B Physiology should be of 38 marks.
2. Nutrition and Biochemistry- Question paper will consist of Section A Nutrition of 45 marks and Section B of Biochemistry of 30 marks.
3. Pharmacology, genetics, pathology: Section A of Pharmacology with 38 marks, section B of pathology of 25 and Genetics with 12 marks.
4. Nursing Research and Statistics – Nursing Research should be of 50 marks and Statistics of 25 marks.
5. Minimum pass marks shall be of 40% for English only.
6. Theory and Practical exams for Introduction to computer to be conducted as College exam and marks to be sent to the University for Inclusion in the marks sheet.
7. Minimum pass marks shall be 50% in each of the theory and practical papers separately.
8. A candidate must have minimum of 80% attendance in theory for appearing in examination.
9. A candidate must have minimum 100% attendance in practical areas.
10. Paper setting, evaluation of papers and practical examination must be conducted by experts within and outside the state.
11. A candidate has to pass in theory and practical exam separately in each of the paper.
12. If a candidate fails in either theory or practical paper he/she has to re-appear for both the papers (theory and practical).
13. The candidate if fails can be permitted for admission to next year.
14. The candidate shall have to clear all the previous examination before appearing for final year examination.
15. Average internal marks of the test students shall not exceed more than 75% i.e. if 40 students are admitted in a course; the average score of the 40 students shall not exceed 75% of total internal marks.
16. The maximum period to complete the course successfully should not exceed 8 years.
17. Maximum number of candidates for practical examination should not exceed 20 per day.
18. All practical examinations must be held in the respective clinical areas.



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19. One internal and one external examiner should jointly conduct practical examination for each student.

20. On completion of internship, internal assessment of 100 marks should be sent to the University for Inclusion in the marks sheets.

21. Final year marks shall be withheld till the candidate completes required attendance for practical and internship.

### **Panel of Examiners:**

The Principal, Nursing Education shall submit a panel of 8 examiners from outside the State to the Academic Department for nomination of external examiners. The external examiners shall be requested to prepare the question papers in the subject concerned as per the syllabus laid down by the Islamic University of Science and Technology. There shall be one internal and one external examiner who shall be responsible for all parts of the examination; i.e., theory and practical. No examiner (Internal/External) shall be appointed below the rank of Lecturer/Assistant Professor. However, in exceptional circumstances, if the need arises, the examiner at the rank of Tutor shall be appointed.

### **Eligibility of Examiners:**

An examiner should be a lecturer or above in a college of Nursing with M.Sc (N) in concerned subject and minimum of 3 years of teaching experience. To be an examiner for Nursing Foundation subject, Faculty having M.Sc (N) with any Speciality shall be considered.

### **Disciplinary Rules:**

The Disciplinary and conduct rules shall be same as applicable to other courses and trainees at Islamic University of Science and Technology.

### **Reservation for Disabled Candidates:**

3% Disability reservation to be considered with a disability of locomotor to the tune of 40% to 50% of the lower extremity and other eligibility criteria with regard to age and qualification will be same as prescribed for each nursing programme. However, a committee to be formed consisting of medical officer authorized by Medical Board of State Government and a nursing expert in the panel which may decide whether the candidates have the disability of locomotor of 40% to 50% (**INC Resolution No.: F. No. 1-5/2014-INC; Dated: 29/10/2014**).

### **Education Programme:**

According to INC Resolution No.: F. No. 1-5/2014-INC; Dated: 29/10/2014, Curricula of self learning module in the area of biomedical waste management for nurses and paramedical has been developed by the Environment Protections Training and Research Institute and reviewed by the DGHS and MOHFW. On recommendations of Rajya Sabha Committee, Module to be included in the curricula of B.sc Nursing programme by teachers. The detailed curriculum of Bio-medical waste management is placed on the Indian Nursing Council website. (Implemented)