

# SIKKIM UNIVERSITY

[A central university established by an Act of Parliament of India, 2007 and accredited by NAAC in 2015]

6<sup>th</sup> Mile, Samdur, Tadong, Gangtok 737 102, Sikkim, India

[www.cus.ac.in](http://www.cus.ac.in)



## SYLLABUS

**B.Sc. NURSING FOR**

**DEGREE COURSE**

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## **FOREWORD**

Sikkim University, a central university established by an Act of Parliament, has completed twelve years of its establishment in July, 2019. The duration of course, is not a long period in the institution building process but certainly Sikkim University has become a new destination for higher learning in this short span.

One of the focused areas of the University since inception has been curriculum development. There has been a tradition of bringing in the best minds in academia from all over the country including people with lot of experiences for developing curriculum for the courses offered in Sikkim University.

Sikkim University has a standard policy of reviewing/ revising curriculum of all programmes after every three years. Such revision is to bring in fresh ideas and recent trends in teaching and learning process and, we believe, it opens up a new vista in learning and research. The last revision/review of curriculum of all the programmes took place in 2017 under the supervision of the Deans of School of Studies.

The idea to print syllabi of all departments under each School of Study is to document the syllabus of each course for future reference and to have an authentic version in circulation. This initiative received instant encouragement from Prof. Jyoti Prakash Tamang, Dean School of Life Sciences when he was officiating as the Vice-Chancellor and also from the present Vice-Chancellor Prof. Avinash Khare.

A lot of efforts have been put by Sh. Gagan Sen Chettri, UDC in Academic Section in compiling, editing and formatting under supervision of Dr. Suresh Kr. Gurung, Joint Registrar. All Deans of Schools and the Head(s)/In-charge(s) of all departments have taken pains in going through each and every word and making corrections in the draft versions and also going through the final version. Sometimes even their help was sought in making corrections. It was therefore, possible to bring out the print version of the syllabi.

**Date:**

**(T.K Kaul)  
REGISTRAR**





**COURSE STRUCTURE  
&  
SCHEME OF EXAMINATION**

**SUMMARY OF MARKS AND CREDITS (SEMESTER-WISE)**

Year	Semester	Assessment							G. Total Marks	Credits
		Theory			Practical					
		Internal	External	Total	Internal	External	Total			
I Year	I Sem.	250	250	500	-	-	-	500	20	
	II Sem.	150	100	250	150	100	250	500	20	
II Year	III Sem.	200	200	400	-	-	-	400	16	
	IV Sem.	150	150	300	100	100	200	500	20	
III Year	V Sem.	150	150	300	100	100	200	500	20	
	VI Sem.	200	200	400	50	50	100	500	20	
IV Year	VII Sem.	225	225	450	-	-	-	450	18	
	VIII Sem.	-	-	-	200	200	400	400	16	
<b>Total:</b>		1325	1275	<b>2600</b>	600	550	<b>1150</b>	<b>3750</b>	<b>150</b>	

**Note:**

1. Biochemistry & Nutrition: Section A of Nutrition with 35 marks, Section B of Biochemistry with 15 marks.
2. Pharmacology, Genetics and Pathology: Section A of Pharmacology with 25 marks, Section B of Pathology of 18 and Genetics with 7 marks.
3. Nursing Research & Statistics – Nursing Research should be of 35 marks and Statistics of 15 marks.
4. Minimum pass marks shall be 50% in each of the internal and external exam. and shall be applicable to both theory and practical.
5. A candidate must have minimum of 80% of attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing for examination.
6. If a candidate fails in either theory or practical paper he/she has to re-appear for both the papers (theory and practical) in the relevant semester.
7. The maximum period to complete the course successfully should not exceed 6 years (12 semesters).
8. Maximum number of candidates for practical examination should not exceed 20 per day.
9. All practical examinations must be held in the respective clinical areas.
10. One internal and one external examiner should jointly conduct practical examination for each student.
11. An examiner should be an Assistant Professor or above in a college of nursing with M.Sc. (N) in the concerned subject and minimum of 3 years of teaching experience. To be an examiner for nursing foundations course, faculty having M.Sc. (N) with any specialty shall be considered.
12. The Curriculum of Certificate Programme for Community Health (CPCH) merged with CHN-I & II (Theory & Practical) of existing Bsc. Nursing Curriculum.





**FIRST YEAR  
SEMESTER- I (Odd Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNS-101	Nursing Foundations- I	50	50	100	-	-	-	4
BNS-102	Anatomy	50	50	100	-	-	-	4
BNS-103	Physiology	50	50	100	-	-	-	4
BNS 104	Microbiology	50	50	100	-	-	-	4
BNS105	Psychology	50	50	100	-	-	-	4
<b>Total:</b>		250	250	<b>500</b>	-	-	-	20

**SEMESTER- II (Even Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNS-201	Nursing Foundations-II	50	50	100	-	-	-	4
BNS-203	Nutrition & Biochemistry	50	50	100	-	-	-	4
BNS-204	*Introduction to Computers	50	-	50	50	-	50	4
BNSL -201	Nursing Foundations – (I & II) Practical	-	-	-	100	100	200	8
<b>Total:</b>		150	100	<b>250</b>	150	100	<b>250</b>	20

\*Theory and practical exams for Introduction to computers to be conducted as College exam and marks to be sent to the University for inclusion in the mark-sheet





**SECOND YEAR  
SEMESTER –III (Odd Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNS-301	Medical Surgical Nursing –I A (Adult including Geriatrics)	50	50	100	-	-	-	4
BNS-302	Pharmacology, Pathology and Genetics	50	50	100	-	-	-	4
BNS-303	Sociology	50	50	100	-	-	-	4
BNS- 304	Communication and Educational Technology	50	50	100	-	-	-	4
<b>Total:</b>		200	200	<b>400</b>	-	-	-	16

**SEMESTER –IV (Even Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNS-401	Medical Surgical Nursing-I-B (Adult including Geriatrics)	50	50	100	-	-	-	4
BNS-402	Community Health Nursing-I	50	50	100	-	-	--	4
	Compulsory English	50	50	100	-	-	-	4
BNSL- 401	Medical Surgical Nursing –I Practical	-	-	-	100	100	200	8
<b>Total:</b>		150	150	<b>300</b>	100	100	<b>200</b>	20



**THIRD YEAR  
SEMESTER –V (Odd Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNS-501	Medical Surgical Nursing - II	50	50	100	-	-	-	4
BNS-502	Mental Health Nursing	50	50	100	-	-	--	4
HUR-UG-F105	Environmental studies	50	50	100	-	-	-	4
BNSL- 501	Medical Surgical Nursing – II Practical	-	-	--	50	50	100	4
BNSL-502	Mental Health Nursing-Practical	-	-	-	50	50	100	4
<b>Total:</b>		150	150	<b>300</b>	100	100	<b>200</b>	20

**SEMESTER VI (Even Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNS-601	Child Health Nursing	50	50	100	-	-	-	4
BNS-602	Midwifery & Obstetrical Nursing-(part-A)	50	50	100	-	-	--	4
BNS-603	Nursing Research & Statistics	50	50	100	-	-	-	4
HUR-UG-F106	Eastern Himalayas Studies	50	50	100	-	-	-	4
<b>BNSL-601</b>	Child Health Nursing-Practical	-	-	-	50	50	100	4
<b>Total:</b>		200	200	<b>400</b>	50	50	<b>100</b>	20



**FOURTH YEAR  
SEMESTER VII (Odd Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNS-701	Midwifery and Obstetrical Nursing- (part-B)	75	75	150	-	-	-	6
BNS-702	Community Health Nursing- II	75	75	150	-	-	-	6
BNS-703	Management of Nursing Services and Education	75	75	150	-	-	-	6
<b>Total:</b>		225	225	<b>450</b>	-	-	-	18

**SEMESTER VIII (Even Semester)**

Course Code	Course Name	Assessment						
		Theory			Practical			
		Internal	External	Total	Internal	External	Total	Credits
BNSL-701	Midwifery and Obstetrical Nursing- Practical	-	-	-	100	100	200	8
BNSL-702	Community Health Nursing- II	-	-	-	100	100	200	8
<b>Total:</b>		-	-	-	200	200	<b>400</b>	16



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Sl. No.	Subject Code	Subjects	Page no.
1.	BNS-101	Nursing Foundations-I	3-13
2.	BNS-102	Anatomy	14-17
3.	BNS-103	Physiology	18-22
4.	BNS-104	Microbiology	23-25
5.	BNS- 105	Psychology	26-28
6.	BNS-201	Nursing Foundations-II	31-36
7.	BNS-202	Biochemistry and Nutrition	37-45
8.	BNS-203	Introduction to Computers	46-47
9.	BNSL-201	Nursing Foundations (I & II)- Practical	48-54
10.	BNS-301	Medical Surgical Nursing –I-A (Adult including Geriatrics)	57-67
11.	BNS-302	Pharmacology, Pathology and Genetics	68-79
12.	BNS-303	Sociology	80-83
13.	BNS-304	Communication and Educational Technology	84-87
14.	BNS-401	Medical Surgical Nursing-I-B (Adult including Geriatrics)	91-96
15.	BNSL- 401	Medical Surgical Nursing-I (IA & IB) Practical	97-100
16.	BNS -402	Community Health Nursing-I	101-107
17.	Compulsory	English	109
18.	BNS-501	Medical Surgical Nursing –II (Adult Including Geriatrics)	111-122
19.	BNSL-501	Medical Surgical Nursing-II Practical	123-127
20.	BNS-502	Mental Health Nursing	128-134
21.	BNSL-502	Mental Health Nursing- Practical	135-138
22.	HUR-UG-F105	Environmental Studies	139
23.	BNS-601	Child Health Nursing	143-149

24.	BNS-602	Midwifery and Obstetrical Nursing- (part-A)	150-154
25.	BNS-603	Nursing Research and Statistics	155-157
26.	HUR-UG-F106	Eastern Himalayan Studies	158
27.	BNS-701	Midwifery and Obstetrical Nursing- (part-B)	161-168
28.	BNS-702	Community Health Nursing- II	169-181
29.	BNS-703	Management of Nursing Services and Education	182-186



## **SYLLABI**





**Semester**



**NURSING FOUNDATIONS-I****Subject code: BNS 101****Credit: 4**

Placement: First Semester

Time: Theory 180 hours  
Practical- 270 hours  
(150 lab & 120 clinical)

**Course Description:** The course is designed to help the students to develop and 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 in supervised Clinical settings

UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
I	10	Describe the concept of health, illness and health care agencies.	<b>Health and Wellness</b> Concept of health-illness continuum Factors influencing health Causes & risk factors for developing illness Body defenses: immunity & immunization Illness & illness behavior Impact of illness on the client and family Health care services: Health promotion and prevention, primary care, diagnosis, treatment, rehabilitation and continuing care Health care teams Types of health care agencies Hospitals: Types, organization and functions Health promotion and levels of disease prevention Primary health care and its delivery: Role of nurse	Lecture discussion Visit to health care agencies	Short answer questions Objective type
II	16	Explain concept and scope of nursing	<b>Nursing as a Profession</b> Definition & characteristics of a profession	Lecture discussion Case discussion Role plays	Short answer questions Objective type



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
		Describe values, code of ethics & professional conduct for nurses in India	<p>Nursing</p> <p>Definition, concepts, philosophy, objectives</p> <p>Characteristics, nature &amp; scope of nursing practice</p> <p>Function of nurse</p> <p>Qualities of nurse</p> <p>Categories of nursing personnel</p> <p>Nursing as a profession</p> <p>History of nursing in India</p> <p>Values: Definition, Types, Values clarification &amp; values in professional</p> <p>Nursing: Caring &amp; Advocacy</p> <p>Ethics:</p> <p>Definition &amp; Ethical principles</p> <p>Code of ethics and professional conduct for nurses</p>		
III	4	<p>Explain the admission &amp; Discharge procedure.</p> <p>Performs admission &amp; Discharge procedure.</p>	<p><b>Hospital Admission and Discharge</b></p> <p>Admission to the hospital</p> <p>Unit and its preparation admission bed.</p> <p>Admission procedure</p> <p>Special considerations</p> <p>Medico legal issues in admission</p> <p>Roles and responsibilities of the nurse in admission</p> <p>Discharge from the hospital</p> <p>Types: Planned discharge, LAMA and abscond, referrals and transfers.</p> <p>Discharge planning.</p> <p>Discharge procedure.</p> <p>Special considerations</p>	<p>Lecture</p> <p>discussion</p> <p>Demonstration</p> <p>Lab practice</p> <p>Supervised Clinical practice</p>	<p>Short answer questions</p> <p>Objective type</p>



UNIT	TIME (Hrs)	OBJECTIVES	CONTENTS	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			Medico legal issues` Roles and responsibilities of the nurse in discharge. Care of the unit after discharge.		
IV	10	Communicate effectively with patient, families and team members and maintain effective human relation(projecting professional image) Appreciate the importance of patient teaching in nursing	<b>Communication and Nurse Patient Relationship</b> Communication: Levels, Elements, Types, Models, Process, Factors influencing communication Methods of Effective communication - Attending skills - Rapport building skills -Empathy skills Barriers to effective communication Helping relationships (NPR): Dimension of Helping relationships, phases of a helping relationship Communicating effectively with patients, 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). Patient teaching: importance, purpose, process, role of nurse & integrating teaching in Nursing process	Lecture discussion Role play & video film on the nurses interacting with the patient Supervised clinical practice	Short answer questions Objective type
V	15	Explain the concept, uses, format and steps of nursing process. Documents nursing process as per	<b>The Nursing Process</b> Critical thinking & nursing judgement Critical thinking: thinking & learning Competencies, Attitudes for critical thinking, Levels of critical thinking in Nursing. Nursing Process	Lecture discussion Demonstration Lab practice Supervised Clinical practice	Short answer questions Objective type



UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
		prescribed format.	Overview: Application in practice		
			<p>Nursing process format: INC, current format.</p> <p>Assessment</p> <ul style="list-style-type: none"> <li>-Collection of Data: Types, Sources, Methods</li> </ul> <p>Formulating Nursing judgement: Data interpretation</p> <p>Nursing diagnosis</p> <ul style="list-style-type: none"> <li>-Identification of clients problems</li> <li>Nursing diagnosis statement</li> <li>-Difference between medical &amp; nursing diagnosis</li> </ul> <p>Planning</p> <ul style="list-style-type: none"> <li>-Establishing priorities</li> <li>-Establishing goals and expected outcomes</li> </ul> <p>Selection of interventions: Protocols &amp; standing orders</p> <ul style="list-style-type: none"> <li>-Writing the Nursing Care Plan</li> </ul> <p>Implementation</p> <ul style="list-style-type: none"> <li>-Outcome of care</li> <li>-Review &amp; modify</li> </ul> <p>Documentation &amp; Reporting</p>		
VI	4	Describe the purposes types and techniques of recording and reporting	<p><b>Documentation and Reporting</b></p> <p>Documentation: Purpose of recording and reporting</p> <p>Communication within the health care team</p> <p>Types of records: ward records, medical/nursing records</p> <p>Common record keeping forms, computerized documentation</p> <p>Guideline for reporting:</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Lab practice</p> <p>Supervised</p> <p>Clinical practice</p>	<p>Short answer questions</p> <p>Objective type</p>



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			Factual basis, Accuracy, Completeness, Correctness, Organization, & confidentiality Methods of recording Reporting: Change of shift reports, Transfer reports, incident reports Minimizing legal liability through effective record keeping		
VII	15	Describe principles and techniques of monitoring and maintaining vital signs  Monitor and maintain vital Signs.	<b>Vital Signs</b> Guidelines for taking vital signs <b>Body temperature:</b> Physiology, regulation, factors affecting body temperature. Assessment of body temperature: sites, equipments and technique, special considerations. Temperature alterations (hyperthermia, hypothermia & Heatstroke). Hot and cold applications. <b>Pulse:</b> Physiology and regulation, characteristics of the pulse, factors affecting pulse. Assessment of pulse: sites, location, equipments and technique, special considerations. Alterations in pulse: Tachycardia and bradycardia. <b>Respiration:</b> Physiology and regulation, mechanics	Lecture discussion Demonstration Lab practice Supervised Clinical practice	Short answer questions Objective type



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			<p>of breathing, characteristics of the respiration, factors affecting respiration. Assessment of respiration: techniques, special consideration. Alteration in respiration</p> <p><b>Blood pressure:</b> Physiology and regulation, characteristics of the blood pressure, factors affecting blood pressure Assessment of blood pressure: sites, equipments and technique, special considerations Alterations in blood pressure: Hypertension and hypotension. Recording of vital signs</p>		
VIII	30	<p>Describe purpose &amp; process of health assessment.</p> <p>Discuss the health assessment of each body system.</p> <p>Perform health assessment of each body system</p>	<p><b>Health Assessment</b> Purposes Process of health assessment Health history taking Physical examination -Methods-Inspection, Palpation, Percussion, Auscultation, Olfaction -Preparation for examination: patient &amp; unit -General assessment -Assessment of each body system -Recording of health assessment</p>	<p>Lecture discussion Demonstration Lab practice Supervised Clinical practice</p>	<p>Short answer questions Objective type</p>
IX	5	<p>Identifies the various machinery, equipment, linen their care.</p>	<p><b>Machinery, Equipment and Linen in Patient Care</b> Types: Disposables and reusable's- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction - Indent, - Maintenance and - Inventory.</p>	<p>Lecture discussion Demonstration</p>	<p>Short answer questions Objective type</p>





UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
X(Part 1)	41	<p>Describe the physiological &amp; psychological needs of the patient.</p> <p>Describe the principles &amp; techniques for meeting physiological &amp; psychological needs of the patient.</p> <p>Perform nursing assessment, plan, implement &amp; evaluate the care for meeting physiological &amp; psychological needs of the patient.</p>	<p><b>Meeting Needs of Patient</b> Basic needs(Activities of daily living)</p> <p><b>Providing safe &amp; clean Environment:</b> Physical environment: - Temperature, Humidity, - Noise, Ventilation, Light, - odour, pests control Reduction of physical hazards: - fire, accidents Safety devices: - Restraints, side rails, air ways, trapez etc. -Role of a nurse in providing safe and clean environment</p> <p><b>Hygiene:</b> Factors influencing hygienic practice. Hygienic care: care of the Skin-Bath &amp; pressure points, feet &amp; nail, Oral cavity, Hair care, Eyes, Ears, Nose - Assessment, principles, Types, Equipments, procedure, Special consideration.</p> <p>Patient environment: Room Equipment and Linen, making patient beds. Type of bed and making</p> <p><b>Comfort</b> -Factors influencing comfort -Comfort devices</p> <p><b>Physiological needs</b> -Sleep and rest: -Physiology of sleep -Factors affecting sleep -Promoting rest &amp; sleep -Sleep disorders</p>	<p>Lecture discussion Demonstration Practice sessions Supervised Clinical practice</p>	<p>Short answer questions</p> <p>Objective type</p>



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			<p><b>Mobility and immobility</b></p> <ul style="list-style-type: none"> <li>- Principles of body mechanics.</li> <li>- Body 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> </ul> <p>Nursing interventions for impaired body Alignment and mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects</p> <ul style="list-style-type: none"> <li>- Range of motion exercises.</li> <li>- Maintaining body alignment: Positions Moving Lifting.</li> </ul> <p>Transferring, Walking Restraints</p> <p><b>Psychosocial needs</b></p> <ul style="list-style-type: none"> <li>- Concepts of cultural diversity,</li> <li>- Stress &amp; 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.</li> <li>- Assist with coping and adaptation</li> <li>- Creating therapeutic environment</li> <li>- Recreational and diversional therapies</li> </ul> <p><b>Fluid, electrolyte and acid base balances</b></p> <ul style="list-style-type: none"> <li>- Review of Physiological regulation of fluid, electrolyte &amp; Acid Base Balances.</li> <li>- Factors affecting fluid, electrolyte &amp; acid base balances.</li> </ul>		



			<ul style="list-style-type: none"> <li>- Alterations in fluid, electrolyte &amp; acid base balances.</li> <li>- Nursing intervention in fluid, electrolyte &amp; acid base balances.</li> <li>- Bases imbalance: assessment, types, equipments, procedure &amp; special consideration.</li> <li>- Measuring fluid intake and output</li> <li>- Measuring intake output</li> <li>- Correcting fluid electrolyte imbalance: Replacement of fluid: Oral, Parenteral, Venipuncture, regulating IV flow rates, changing IV solutions &amp; tubings</li> <li>- Changing IV dressing</li> <li>- Administering blood transfusion</li> <li>- Restriction of fluids</li> </ul>		
XI	10	<p>Describe the pre, intra &amp; post operative care of patients.</p> <p>Explain the process of wound healing.</p> <p>Explain the principles &amp; procedures of wound care.</p> <p>Demonstrate the skills in wound care.</p>	<p><b>Meeting Needs of Perioperative Patients</b></p> <p>Definition and concept of peri-operative nursing</p> <p>Preoperative phase</p> <p>Preparation of patient for surgery</p> <p>Intra-operative phase</p> <p>Operation theatre set up and environment</p> <p>Role of nurse in intra-operative phase.</p> <p>Postoperative phase</p> <p>Recovery unit, post operative unit, post operative care,</p> <p>Wounds: types, classifications</p> <p>wound healing process, factors affecting wound, complications of wound healing</p> <p>Surgical asepsis</p> <p>Care of the wound: types, equipments, procedure and special considerations</p> <p>Application of bandages and binders, splints &amp; slings</p> <p>Heat &amp; cold therapy</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Lab practice</p> <p>Supervised</p>	<p>Short answer questions</p> <p>Objective type</p>
XII	20	Describe	<b>Infection Control in Clinical Settings</b>	Lecture	Short



	<p>the principles &amp; techniques for infection control &amp; bio-medical waste management in Supervised Clinical settings.</p>	<p><b>Infection control</b> Nature of infection. Chain of infection transmission. Defenses against infection: natural and acquired. Hospital acquired infection (Nosocomial infection). Concept of asepsis: medical asepsis and surgical asepsis. Isolation precautions (Barrier nursing):</p>	<p>discussion Demonstration on Lab practice Supervised</p>	<p>answer questions Objective type</p>
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UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSM ENT METHODS
			<p>Hand washing: simple, hand antiseptics and surgical antiseptics (scrub)</p> <p>Isolation: source and protective.</p> <p>Personal protective equipments: types, uses and technique of wearing and removing</p> <p>Decontamination of equipment and unit</p> <p>Transportation of infected patients</p> <p>Standard safety precautions (universal precautions).</p> <p>Transmission based precautions</p> <p>Biomedical waste management:</p> <p>Importance</p> <p>Types of hospital waste</p> <p>Hazards associated with hospital waste</p> <p>Decontamination of hospital waste</p> <p>Segregation and transportation and disposal</p>		

**Suggested Books**

- Potter P A, Fundamentals of Nursing 7th ed, Elsevier, 2009.
- Basavanthappa B T, Fundamentals of Nursing 2nd ed, Jaypee Brothers, 2009.
- Potter P A & Thresyamma Perry A G, Fundamentals of Nursing 6th ed, Mosby, 2005.
- Thresyamma, Fundamentals of Nursing Procedure Manual for General Nursing and Midwifery Course, Jaypee Brothers, 2006.
- Nancy Sr, Stephanie's Principles and Practice of Nursing 6th ed Vol 1 & 2, N R Brothers, 2008.

**Reference:-**

- Gupta L C, Practical Nursing Procedures 2nd ed, Jaypee Brothers, 2006.
- Sirra Esther, Nursing Process 2nd ed, ELSEVIER, 2008.
- Yalayaswamy N N, First Aid and Emergency Nursing, CBS Pub, 200



## ANATOMY

**Subject code: BNS 102**

Placement- First Semester

**Credit: 4**

Time: Theory- 60hrs

**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.

UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
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> Human Cell structure. Tissues – Definition, Types, characteristics, classification, location, functions and formation. Membranes and glands – classification and structure Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, microscopic slides, skeleton & torso Demonstrate cells, type of tissues membranes and glands Record book	Short answer questions Objective type
II	6	Describe the structure and function of bones and joints	<b>The Skeletal System</b> Bones- types, structure, Axial & Appendicular Skeleton Bone formation and growth Description of bones Joints – classification and structure Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, skeleton loose bone & joints. Record book	Short answer questions Objective type
III	7	Describe the structure and function of muscles	<b>The Muscular System</b> Types and structure of muscles groups Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, models & films Demonstrate muscular movement Record book	Short answer questions Objective type
IV	6	Describe the structure and function of nervous system.	<b>The Nervous System</b> Structure of neuroglia & neurons Somatic nervous system	Lecture discussion Explain using charts, slides &	Short answer questions Objective type



			Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves	specimen Record book	
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UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			Autonomic Nervous System- sympathetic, parasympathetic Structure, location Alterations in diseases Applications and implications in nursing		
V	6	Explain the structure and function of sensory organs.	<b>The Sensory Organs</b> Structure of skin, eye, ear, nose and tongue (Auditory and olfactory apparatus) Alterations in diseases Applications and implications in nursing	Lecture discussion Explain using charts, slides & specimen Record book	Short answer questions Objective type
VI	7	Describe the structure and function of circulatory and lymphatic system.	<b>Circulatory and lymphatic system</b> The Circulatory system Blood – Microscopic structure of Heart Structure of blood vessels – Arterial & Venous System, Circulation: systemic, pulmonary and coronary Lymphatic system Lymphatic vessels & lymph Lymphatic tissues Thymus gland Lymph nodes Spleen Lymphatic nodules Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, slides & specimen Record book	Short answer questions Objective type
VII	5	Describe the structure and function of respiratory system	<b>The Respiratory System</b> Structure of the organs of respiration Muscles of respiration: Intercostal and Diaphragm Alterations in diseases Applications and implications in nursing	Lecture discussion Explain using charts, slides & specimen Record book	Short answer questions Objective type



UNIT	TIM E	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
VIII	6	Describe the structure and function of digestive system	<b>The Digestive system</b> Structure of alimentary tract and accessory organs of digestion Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, slides & specimen Record book	Short answer questions Objective type
IX	4	Describe the structure and function of excretory system	<b>The Excretory System (Urinary)</b> Structure of organs of urinary system: Kidneys, ureters, urinary bladder, urethra, structure of Skin Alterations in disease Applications and implications in nursing	Lecture discussion Explain using models, charts, slides & specimen Record book	Short answer questions Objective type
X	4	Describe the structure and function of endocrine system	<b>The Endocrine system</b> Structure of Pituitary, pancreas, thyroid, parathyroid, thymus and adrenal glands Alterations in diseases Applications and implications in nursing	Lecture discussion Explain using charts, slides & specimen Record book	Short answer questions Objective type
XI	4	Describe the structure and function of Reproductive system.	<b>The Reproductive system including breast</b> Structure of female reproductive organs Structure of male reproductive organs Structure of breast Introduction to embryology Alterations in diseases Applications and implications in nursing	Lecture discussion Explain using charts, slides & specimen Record book	Short answer questions Objective type





**Suggested Books:-**

**SUGGESTED READINGS**

1. Tortora, G.J and Derrigkson, B. Principles of Anatomy and Physiology. 11th Edition, USA : John wiley and sons publisher, 2007.
2. Singh, Inderbir. Anatomy and Physiology for Nurses . 1st Edition, India: JaypeeBrothers Medical publishers, 2005.
3. Watson, Roger. Anatomy and Physiology for Nurses. 11th Edition, Inida: Harcourt publishers Ltd., 2000. Tortora, G.J. Atlas of the Human Skeleton. 3rd Edition, USA: John wiley and sons publishers, 2003.
4. Khurana, I and Arushi. Textbook of Anatomy and physiology for Nurses and Allied
5. Health Science. 1st Edition, India: CBS publishers, 2009.

**Reference:-**

1. Pearce Evelyn, Anatomy and Physiology for Nurses 16th ed, Jaypee Brothers,1993.
2. Yalayaswamy N N, Anatomy and Physiology for Nurses 3rd ed, CBS Pub,2009.
3. Jain P K, Anatomy and Physiology for Nurses, Arya Pub,2002

**PHYSIOLOGY**

**Subject code: BNS 103**  
Placement- First Semester

**Credit: 4**  
Time: Theory- 60hrs

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

UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
I	4	Describe the physiology of cell, tissues, membranes & glands	<b>Cell Physiology</b> Tissue- formation and repair Membranes & glands – Functions Alterations in diseases Applications and implications in nursing	Lecture discussion	Short answer questions Objective type
II	4	Describe the bone formation & growth and movements of skeletal system.	<b>Skeletal System</b> Bone formation & growth Bones – Functions and movements of bones of axial and appendicular skeleton and bone healing Joints and joint movement Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, slides & films Demonstration on joint movements	Short answer questions Objective type
III	4	Describe the Muscle movements And tone and demonstrate muscle contraction & tone.	<b>Muscular System</b> Muscular movements, Muscle tone, physiology of muscle contraction, levels and maintenance of posture Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, slides & specimen Demonstration on muscle movements, tone & contraction	Short answer questions Objective type



IV	7	Describe the physiology of nerve stimulus, reflexes, brain, cranial & spinal nerves.	<b>Nervous System</b> Functions of Neuroglia & neurons Stimulus & nerve-impulse-definitions and mechanism Functions of brain, spinal cord, cranial and spinal nerves Cerebrospinal fluid- composition, circulation and function Reflex arc, Reflex action and reflexes	Lecture discussion Explain using charts, slides & films Demonstrate nerve stimulus, reflex action, reflexes	Short answer questions Objective type
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UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			<p>Autonomic functions –            Pain: somatic, visceral &amp; referred            Autonomic learning and biofeedback            Alterations in diseases            Application and implications in nursing</p>		
V	8	<p>Describe the physiology of blood &amp; functions of heart.            Demonstrate blood cell count, coagulation, Grouping, Hb, B.P. Pulse monitoring.</p>	<p><b>Circulatory System</b>            Blood formation, composition, blood groups, blood coagulation            Haemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation            Functions of blood            Functions of Heart, Conduction, Cardiac cycle, circulation – Principles Control, factors influencing BP and pulse.            Normal ECG            Alterations in diseases            Applications and implications in nursing</p>	<p>Lecture discussion            Explain using charts, slides &amp; films            Demonstration on of blood cell count, coagulation, grouping, Haemoglobin-estimation, Heart conduction system.            Measurement of BP</p>	<p>Short answer questions            Objective type</p>
VI	6	<p>Describe the physiology &amp; mechanism of respiration.            Demonstrates spirometry</p>	<p><b>The Respiratory System</b>            Functions of respiratory organs            Physiology of respiration            Pulmonary ventilation, Volume            Mechanism of respiration            Gaseous exchange in lungs            Carriage of oxygen &amp; carbon-dioxide            Exchange of gases in tissues            Regulation of respiration.            Alterations in disease            Applications and implications in nursing</p>	<p>Lecture discussion            Explain using charts, slides &amp; films            Demonstration of spirometry</p>	<p>Short answer questions            Objective type</p>
VII	6	<p>Describe the physiology of Digestive system.            Demonstrates BMR.</p>	<p><b>The Digestive System</b>            Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestine,</p>	<p>Lecture discussion            Explain using charts, slides &amp; films</p>	<p>Short answer questions            Objective type</p>



UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			Large intestine, Absorption of food. Functions of liver, gall bladder and pancreas Metabolism of carbohydrates, proteins and fats		
VIII	5	Describe the physiology of excretory system.	<b>The Excretory System</b> Functions of Kidneys, ureters, urinary bladder & urethra Composition of urine Mechanism of urine formation Function of skin Regulation of body temperature Fluid and electrolyte balance. Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, slides & films	Short answer questions Objective type
IX	4	Describe the physiology of sensory organs.	<b>The Sensory Organs</b> Functions of skin, eye, ear, nose, tongue, Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, slides & films	Short answer questions Objective type
X	5	Describe the physiology of endocrine glands	<b>The Endocrine System</b> Functions of Pituitary, pineal body, thymus, Thyroid, Parathyroid, Pancreas, Suprarenal, Placenta, ovaries & Testes Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, slides & films Demonstration of BMR	Short answer questions Objective type
XI	5	Describe the physiology of male & female reproductive system	<b>The Reproductive System</b> Reproduction of cells – DNA, Mitosis, meiosis spermatogenesis, oogenesis. Functions of female reproductive organs; functions of breast, Female sexual cycle. Functions of male reproductive organs, Male function in reproduction, Male fertility system	discussion Explain using charts, films, model & specimen.	Short answer questions Objective type



UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
XII	2	Describe the physiology of neural, lymphatic & immunological system	<b>Lymphatic and Immunological system</b> Circulation of lymph Immunity Formation of T- cells and B cells Types of Immune response Antigens Cytokines Antibodies	Lecture discussion Explain using charts, slides & films	Short answer questions Objective type

**Suggested Books:-**

1. Tortora, G.J and Derrickson, B. Principles of Anatomy and Physiology. 11th Edition, USA : John Wiley and sons publisher, 2007.
2. Green, J.H. Introduction to Human Physiology. 1st Edition, New York: Oxford University Medical Publication, 1963.
3. Chandramouli R, Textbook of Physiology, Jaypee Brothers,2003.
4. Ghai C L, Textbook of Practical Physiology 7th ed, Jaypee Brothers,2003.
5. Raju S M, Physiology for Nurses, Jaypee Brothers,2007.
6. Joshi Vijaya D, Anatomy and Physiology for Nursing and Health Care, B I Publication, 2006.

**Reference:-**

1. Joshi Vijaya D, Anatomy and Physiology for Nursing and Health Care, B I Publication,2006.
2. Watson Rojer, Anatomy and Physiology for Nurses, Elsevier,2005.
3. Paul Annamma, AntomySimplified for Nursing and Paramedical Students, B. I. Publication,2008.
4. Anand M and Verma M, Human Anatomy for Nursing and Allied Sciences 1st edition, The Arora Medical
5. Book, 2007.
6. Singh S H, Anatomy and Physiology for Nurses and Allied Health Sciences, CBS Pub,2008.



## MICROBIOLOGY

**Subject code: BNS 104**

**Placement:** First Semester

**Credit: 4**

**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 micro-organisms. It also provides opportunities for practicing infection control measures in hospital & community settings.

UNIT	TIME (Hrs)		OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
	Th	Pr				
I	5		Explain concepts & principles of microbiology & their importance in nursing	<b>Introduction</b> Importance & relevance to nursing Historical perspective Concepts & terminology Principles of microbiology	Lecture Discussion	Short answer Objective type
II	10	5	Describe structure classification, morphology & growth of bacteria  Identify micro-organisms	<b>General characteristics of Microbes</b> Structure & classification of microbes Morphological types Size & form of bacteria Motility Colonization Growth & nutrition of microbes Temperature Moisture Blood & body fluids Laboratory methods for identification of micro-organisms Staining techniques, gram staining, acid fast staining. Hanging drop preparations Culture, various medias	Lecture Discussion	Short answer Objective type



III	10	2	Describe the methods of infection control Identify the role of nurse in hospital infection control programme	<b>Infection control</b> Infection: Sources, portal of entry & exit, transmission Asepsis Disinfection; types & methods Sterilization: types & methods Chemotherapy & antibiotics Standard safety measures Biomedical waste management Role of nurse Hospital acquired infection Hospital infection control programme Protocols, collection of samples, preparation of report & status of rate of infection in the unit/ hospital, nurses accountability, continuing education etc	Lecture Discussion	Short answer Objective type
IV	12	4	Describe the different disease producing organisms	<b>Pathogenic organisms</b> Micro-organisms Cocci-gram positive & gram negative Bacilli- gram positive & gram negative Spirochaete Mycoplasma Rickettsiae Chlamydiae Viruses Fungi- superficial & deep mycoses Parasites Rodents & vectors Characteristics, source, portal of entry, transmission of infection. Identification of disease producing micro-organisms Collection, handling, transportation of various specimens	Lecture Discussion Demonstration Visit to CSSD Clinical practice	Short answer Objective type
V	8	4	Explain the concept of immunity, hypersensitivity & immunization	<b>Immunity</b> Immunity-types, classification Antigen & antibody reaction Hypersensitivity Serological tests Immunoprophylaxis Vaccines & sera Immunization for various disease Immunization schedule	Lecture Discussion Demonstration Clinical practice	Short answer Objective type





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**Suggested Books:**

1. Gupte Satish, The Short Textbook of Medical Microbiology, Jaypee Brothers, 2006.
2. Parjia S C, Textbook of Microbiology, ELSEVIER, 2009.
3. Ichhpujani R L, Microbiology for Nurses 2nd Ed, Jaypee Brothers, 2007.
4. Panda U N, Microbiology for Nurses, A.I.T.B.S PUB, 2007.

**Reference:-**

1. Panda U N, Handbook of Microbiology and Parasitology, A.I.T.B.S PUB, 2009.
2. Sarma P H B S, A Textbook of Microbiology, S Vikas & Co, 2009.
3. Vasanthakumari R, Textbook of Microbiology, B I Publications, 2008.



## PSYCHOLOGY

**Subject code: BNS 105****Credit: 4****Placement:** First Semester**Time:** Theory- 60 hrs

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

UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
I	2	Describe the history, scope & methods of psychology	<b>Introduction:</b> History and origin of science of psychology Definitions & Scope of psychology Relevance to nursing Methods of psychology	Lecture Discussion	Essay type Short answer questions
II	4	Explain the biology of Human behaviour	<b>Biology of behaviour</b> Body mind relationship modulation process in health and illness Genetics and behaviour: Heredity and environment Brain and behaviour: Nervous System, Neurons and synapse, Association Cortex, Rt and Lt Hemispheres Psychology of Sensations Muscular and glandular controls of behaviour Nature of behaviour of an organism/ Integrated responses	Lecture Discussion	Essay type Short answer questions
III	20	Describe various cognitive processes & their applications	<b>Cognitive Processes:</b> Attention: Types, determinants, Duration & degree and alterations Perception: Meaning, Principles, factors affecting and Errors, Learning: Nature, Types, Learner and learning, Factors influencing, laws and theories, process, transfer and study habits Memory: Meaning, Types,	Lecture Discussion Psychometric assessment Practice sessions	Essay type Short answer questions



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			Nature, Factors influencing, Development theories and methods of memorizing & forgetting Thinking: Types and levels, stages of development, Relationship with language and communication Intelligence: Meaning, classification, uses and theories Aptitude: Concept, types, Individual differences and variability Psychometric assessment of cognitive processes Alterations in cognitive process Applications		
IV	8	Describe motivation, emotions, stress, attitudes & their influence on behaviour	<b>Motivation and Emotional processes:</b> Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration and conflict resolution Emotions & stress Emotion: Definition, components, Changes in emotions, theories, emotional adjustment, emotions in health and illness Stress: stressors, cycle, effect, adaptation & coping Attitude: Meaning, nature, development and factors affecting, Behaviour and attitudes Attitudinal changes Psychometric assessments of emotions and attitudes Alterations in emotions Applications	Lecture Discussion Role plays Case discussion demonstration	Essay type Short answer questions



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
V	7	Explain the concepts of personality & its influence on behaviour.	<b>Personality:</b> Definitions, topography, types and Theories Psychometric assessments of personality Alternations in personality Applications	Lecture Discussion Role plays Case discussion demonstration	Essay type Short answer questions
VI	7	Describe psychology of people during the life cycle	<b>Developmental Psychology:</b> Psychology of people at different ages from infancy to old age Psychology of vulnerable individuals- challenged, women, sick etc Psychology of groups	Lecture Discussion Role plays Case discussion demonstration	Essay type Short answer questions
VII	8	Describe the characteristic of mentally healthy person Explain ego Defence mechanisms	<b>Mental hygiene and mental Health:</b> Concepts of mental hygiene and mental health Characteristics of mentally healthy person Warning signs of poor mental health Promotive and preventive mental health- strategies and services Ego Defence mechanisms and implications Personal and social adjustments Guidance and counselling Role of nurse	Lecture Discussion Role plays Case discussion demonstration	Essay type Short answer questions
VIII	4	Explain the psychological assessment & role of nurse	<b>Psychological assessment &amp; tests:</b> Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment	Lecture Discussion Demonstration	Assessment of practice

**Suggested Readings**

1. Morgan, C.T. etal. Introduction to Psychology, 7th Edition., Delhi, Publisher Tata Mcgraw Hill Company Ltd., 2005.
2. Hilgard Eratal. Introduction to Psychology, 7th Edition, New York Publisher Harcour Braces Joyanorich, 1979.
3. Bhatia and Craig. Elements of Psychology and Mental Hygiene for nurses in India, 26th Impression, Hyderabad, India Publisher orient Longman Pvt. Ltd., 2003.
4. Robert A. Baron. Psychology, (Indian. Ed. LPE) Third Impression, New Delhi, PearsonPrentice Hall. 2007.







## Semester -II







## NURSING FOUNDATIONS-II

Subject code: 201

Credit: 4

Placement: Second Semester

Time: Theory 85 hours  
Practical-380 hours  
(50 lab & 330 clinical)

**Course Description:** The course is designed to help the students to develop and 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 in supervised Clinical settings

UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
X (part II)	19	Describe the principles & techniques for meeting physiological & psychological needs of the patient  Perform nursing assessment, plan, implement & evaluate the care for meeting physiological & psychological needs of the patient	<p><b>Nutrition:</b></p> <ul style="list-style-type: none"> <li>-Importance</li> <li>-factors affecting nutritional needs,</li> </ul> <p>assessment of nutritional needs: Variables Meeting Nutritional needs: principles, equipments, procedure &amp; special considerations</p> <ul style="list-style-type: none"> <li>-Oral Enteral: Naso/Orogastric, Gastronomy Parenteral</li> </ul> <p><b>Urinary elimination</b></p> <ul style="list-style-type: none"> <li>- Review of physiology of Urine Elimination, Composition &amp; 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</li> <li>- Providing urinal/bed pan</li> </ul>	Lecture discussion Demonstration Practice sessions Supervised Clinical practice	Short answer questions Objective type



UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			<ul style="list-style-type: none"> <li>- Perineal care</li> <li>- Condom drainage</li> <li>- Catheterization</li> <li>- Care of urinary drainage</li> <li>- Care of urinary diversions</li> <li>- Bladder irrigation</li> <li><b>Bowel elimination:</b></li> <li>- Review of Physiology of Bowel elimination, composition &amp; 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 wash</li> <li>- Care of ostomies</li> <li><b>Oxygenation:</b></li> <li>- Review of Cardiovascular &amp; Respiratory Physiology</li> <li>- Factors affecting oxygenation.</li> <li>- Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations</li> <li>- Maintenance of patent airway</li> <li>- Oxygen administration</li> <li>- Inhalations: dry and moist</li> <li>- Chest physiotherapy and postural drainage</li> <li>- Suctioning</li> <li>- Care of chest drainage</li> <li>- Pulse oximetry</li> <li>- CPR-</li> <li>- Basic life support (BLS)</li> </ul>		



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
XIII	40	Explain the principles, routes, and effects of administration of medications Calculate the conversion of drugs & dosage within and between systems of measurement Discuss purposes, sites, equipments preparation and	<b>Administration of Medications</b> General principles/ considerations Purpose of medication Principles: 5 rights, special considerations, Prescriptions, safety in administering Medications and Medication Errors Routes of drug administration Drug forms Storage and maintenance of drugs and nurses responsibility. Broad classification of drugs Therapeutic effect, Side	Lecture discussion Demonstration Lab practice Supervised	Short answer questions Objective type



UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			<p>Effect, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions</p> <p>Factors influencing drug actions. Systems of drug measurement: Metric System, Apothecary System, Household Measurements solutions</p> <p>Converting Measurement Units: Conversion within one system, conversion between systems, Dose Calculation.</p> <p>Terminologies and abbreviations used in prescriptions of medications.</p> <p>Oral Drugs Administration: Oral, Sublingual and Buccal: equipment, procedure,</p> <p>Parenteral :</p> <p>General principles: decontamination &amp; disposal of syringes &amp; needles. Types of parenteral therapies, Types of syringes, needles, cannula &amp; infusion sets. Protection from Needle Stick Injuries: giving medication with a safety syringes.</p> <p>Routes of parenteral therapies:- Intradermal- purposes, site, equipments, procedure, special considerations Subcutaneous injection: purposes, site, equipments, procedure, special considerations Intramuscular injection: purposes, site, equipments, procedure, special considerations Intravenous infusion: purposes, site, equipments, procedure, special considerations Advanced injection techniques: Epidural, Intrathecal, Intraosseous, Intraperitoneal, Intrapleural, Intra-arterial Role of nurse. Topical application: purposes, site, equipment, procedure, special considerations for:</p>		



UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			<p>Application to Skin            Application to mucus membrane            Direct Application of liquid- Gargle and swabbing the throat into body cavity            Suppository/ Medicated Packing in Rectum/Vagina            Irrigations : Eye, Ear, Bladder, Vagina, and Rectum            Spraying: Nose &amp; Throat            Insertion of Drugs            Inhalation: Nasal Oral, Endotracheal, Tracheal (steam, oxygen and medication)- purposes, types, equipments, procedure, special considerations            Recording and reporting of medications administered</p>		
XIV	15	Explain care of the patients having alterations in body functioning	<p><b>Meeting special needs of the patient</b>            Care of patients having alteration in:            Temperature, types, assessment, management            Sensorium (unconsciousness); assessment, management.            Urinary elimination(retention &amp; incontinence) ); assessment, management            Functioning of sensory organ(visual &amp; hearing impairment)            Assessment of self-care ability            Communication methods &amp; special consideration            Mobility(physically challenged, cast), assessment of self-care ability            Communication methods &amp; special considerations            Mental state(mentally challenged), assessment of self-care ability            Communication methods &amp; special consideration            Respiration distress: types, assessment, management            Comfort-pain: nature, types, factor influencing, coping, assessment management            Treatment related to gastrointestinal</p>	Lecture discuss on Demonstration Lab practice Supervised	Short answer questions Objective type



			system: naso-gastric suction, gastric irrigation, gastric analysis		
XV	5	Explain care of terminally ill patients.	<b>Care of terminally ill patient</b> Concepts of loss, grief, grieving process Signs of clinical death Care of dying patient: special considerations. Advance directives: euthanasia, will dying declaration, organ donation etc. Medico legal issues in care of terminally ill patient. Care of dead body: equipment, procedure and care of unit Autopsy and embalming	Lecture discussion on Demonstration Lab practice Supervised	Short answer question s Objective type
XVI	6	Explain the basic concepts of conceptual & theoretical models of nursing	<b>Professional Nursing concepts &amp; practices</b> Conceptual & theoretical models of nursing practice: introduction to models- holistic model, health belief model. Health promotion model etc Introduction to theories in nursing: Peplau's, Henderson's, Orem's, Neuman's, Roger's & Roy's Linking theories with nursing process.	Lecture discussion Demonstration Lab practice Supervised	Short answer question s Objective type

### Suggested Books

- Potter P A, Fundamentals of Nursing 7th ed, Elsevier, 2009.
- Basavanthappa B T, Fundamentals of Nursing 2nd ed, Jaypee Brothers, 2009.
- Potter P A & Thresyamma Perry A G, Fundamentals of Nursing 6th ed, Mosby, 2005.
- Thresyamma, Fundamentals of Nursing Procedure Manual for General Nursing and Midwifery Course, Jaypee Brothers, 2006.
- Nancy Sr, Stephanie's Principles and Practice of Nursing 6th ed Vol 1 & 2, N R Brothers, 2008.

### Reference:-

- Gupta L C, Practical Nursing Procedures 2nd ed, Jaypee Brothers, 2006.
- Sirra Esther, Nursing Process 2nd ed, ELSEVIER, 2008.
- Yalayaswamy N N, First Aid and Emergency Nursing, CBS Pub, 2009



## NUTRITION & BIOCHEMISTRY

**Subject code: BNS 203**
**Credit: 4**

### NUTRITION

Placement: Second Semester

Time: Theory 60 hours

**Course 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		OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
	Th	Pr				
I	4		Describe the relationship between Nutrition & Health.	<b>Introduction</b> Nutrition: History & Concepts Role of nutrition in maintaining health Nutritional problems in India National nutritional policy Factors affecting food and nutrition: socio- economic, cultural, tradition, production, system of distribution, life style and food habits etc Role of food & its medicinal value Classification of foods Food standards Elements of nutrition: macro and micro Calorie, BMR	Lecture discussion Explain using charts Panel discussion	Short answer questions Objective type
II	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	<b>Carbohydrates</b> Classification & Caloric value Recommended daily allowances Dietary sources & Functions Digestion, absorption and storage, metabolism of carbohydrates Malnutrition: Deficiencies and Over consumption	Lecture discussion Explain using charts	Short answer questions Objective type



UNIT	TIME		OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
	Th	Pr				
III	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of fats.	<b>Fats</b> Classification Caloric value Recommended daily allowances Dietary sources Functions Digestion, absorption and	Lecture discussion Explain using charts, slides & films	Short answer questions Objective type
IV	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	<b>Proteins</b> Classification Caloric value Recommended daily allowances Dietary sources Functions Digestion, absorption, metabolism and storage Malnutrition: Deficiencies and Over consumption	Lecture discussion Explain using charts	Short answer questions Objective type
V	3		Describe the daily calorie requirement for different categories of people	<b>Energy</b> Unit of energy-Kcal Energy requirements of different categories of people. Measurement of energy Body Mass Index(BMI) and basic metabolism Basal Metabolic Rate(BMR)- determination and factors affecting	Lecture discussion Explain using charts, slides & films	Short answer questions Objective type
VI	4		Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins and recommended daily allowances (RDA) of minerals	<b>Vitamins</b> Classification Recommended daily allowances Dietary sources Functions Absorption, synthesis, metabolism, storage and excretion Deficiencies Hypervitaminosis	Lecture discussion Explain using charts	Short answer questions Objective type
VII	4		Describe the classification, functions, sources and recommended	<b>Minerals</b> Classification Recommended daily allowances	discussion Explain using charts, films, model & specimen.	Short answer questions Objective type





UNIT	TIME		OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
	Th	Pr				
			daily allowances (RDA) of minerals	Dietary sources Functions Absorption, synthesis, metabolism, storage and excretion Deficiencies Over consumption and toxicity		
<b>VIII</b>	3		Describe the sources, functions & requirements Water & Electrolytes.	<b>Water &amp; Electrolytes</b> Water: Daily requirement, regulation of water metabolism and distribution of body water Electrolytes: Types, sources, composition of body fluids Maintenance of fluid & electrolyte balance Over hydration, dehydration and water intoxication Electrolyte imbalances	Lecture discussion Explain using charts	Short answer questions Objective type
<b>IX</b>	5	15	Describe the Cookery rules & preservation of nutrients	<b>Cookery rules &amp; preservation of nutrients</b> Principles, methods of cooking and serving. Preservation of nutrients Safe food handling-toxicity Storage of food Food Preservation, Food Additives & its principles Food Adulteration, PFA ( <b>prevention of PFA</b> ) Food Standards Preparation of simple beverages & different types of food	Lecture discussion Explain using charts, slides & films	Short answer questions Objective type
<b>X</b>	7	5	Describe and plan balanced diet for different categories of people Prepare and	<b>Balanced diet</b> Elements Food groups Recommended daily allowances Nutritive value of food Calculation of <b>balanced</b>	Lecture discussion Explain using charts	Short answer questions Objective type



UNIT	TIME		OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
	Th	Pr				
			serve simple beverages & different types of foods	diets for the different categories of people Planning menu Budgeting of food Introduction to therapeutic diets: Naturopathy diet		
<b>XI</b>	4		Describe various national programmes related to nutrition Describe the role of nurse in assessment of nutritional status and nutrition education	<b>Role of nurse in nutritional programmes</b> National programmes related to nutrition Vitamin A deficiency programme National iodine deficiency disorders(IDD) programme Mid-day meal programme Integrated child development scheme(ICDS) National and International agencies working towards food/nutrition NIPCCD,CARE,FAQ, NIN,CFTRI(Central food technology and research institute) etc Assessment of nutritional status Nutrition education and role of nurse	Lecture discussion Explain using charts Demonstration on of assessment of nutritional status	Short answer questions Objective type



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**Suggested Books:-**

1. Joshi Y K, Basics of Clinical Nutrition, Jaypee Brothers,2008.
2. Sam Molly, A Text book of Nutrition for Nursing 6/e, Jaypee Brothers, 2006.
3. Swaminathan M, Handbook of Food and Nutrition, The BangalorePri& Pub, 2007.
4. Indrani T K, Nursing Manual of Nutrition and Therapeutic Diet, Jaypee Brothers,2008.

**Reference:-**

1. Mahan Kathleen L., Krause's Food & Nutrition Therapy, Elsevier,2008.
2. TruemanPatricial, Nutritional Biochemistry, Mjp Publishers,2007.
3. Gupta L C, Food and Nutrition Facts & Figures 6th ed, Jaypee Brothers,2006.

**NUTRITION & BIOCHEMISTRY**

Subject code: BNS 203

Credit: 4

**BIOCHEMISTRY**

Placement: Second Semester

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 alteration in biochemistry in disease for practice of nursing.

UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
I	3	Describe the structure composition & function of cell. Differentiate between prokaryote & Eukaryote cell. Identify techniques of microscopy	<b>Introduction</b> Definition and significance in nursing As Basic science for the study of medicine Review of structure, composition and functions of cell Functions of chief intracellular components Prokaryote and Eukaryote cell organization Microscopy	Lecture discussion Explain using charts, slides Demonstration of microscope	Short answer questions Objective type
II	6	Describe the structure & functions of cell membrane	<b>Structure and functions of Cell membrane</b> Fluid mosaic model tight junction, Cytoskeleton Transport mechanism: diffusion, osmosis, filtration, active channel and sodium pump Acid base balance- maintenance & diagnostic tests PH buffers	Lecture discussion	Short answer questions Objective type
III	6	Explain the metabolism of carbohydrates	<b>Composition and metabolism of carbohydrates</b> Types, structure, composition and uses Monosaccharides,	Lecture discussion Demonstration of blood glucose monitoring	Short answer questions Objective type



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			Disaccharides, Polysaccharides, Oligosaccharides  Metabolism Pathways of glucose: Glycolysis Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle - Glycogenolysis Pentose phosphate Pathways (Hexose mono phosphate ) Regulation of blood glucose level Investigations and their interpretations		
IV	4	Explain the metabolism of lipids.	<b>Composition and metabolism of Lipids</b> Types, structure, composition and uses of fatty acids Nomenclature, Roles and prostaglandins Metabolism of fatty acid Breakdown Synthesis Metabolism of triacylglycerol Cholesterol metabolism Biosynthesis and its regulation - Bile salts and bilirubin - Vitamin D - Steroid hormones Lipoproteins and their functions: VLDLs – IDLs, LDLs and HDLs Transport of lipids Atherosclerosis Investigations and their interpretations	Lecture discussion Demonstration of laboratory test	Short answer questions Objective type
V	6	Explain the metabolism of amino acids and proteins.	<b>Composition and metabolism of Amino acids and proteins</b> Types, structure,	Lecture discussion Demonstration of laboratory test	Short answer questions Objective



UNIT	TIME (Hrs)	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			composition and uses of Amino acids and proteins Metabolism of amino acids and proteins synthesis, targeting & glycosylation Chromatography Electrophoresis Sequencing Metabolism of nitrogen Fixation & Assimilation Urea cycle Heme & chlorophylls Enzymes & co-enzymes Classification Properties Kinetics & inhibition Control Investigation & their interpretation		
VI	2	Describe types, composition & utilization of Vitamins & minerals..	<b>Composition of Vitamins and Minerals</b> Vitamins and minerals: Structure Classification Fat soluble vitamins Water soluble vitamins Properties Absorption Storage & transportation Normal concentration Investigations & their interpretations	Lecture discussion Demonstration of laboratory test	Short answer questions Objective type
VII	3	Describe immune-chemistry	<b>Immunochemistry</b> Immune response Structure and classification of Immunoglobins Mechanism of antibody production Antigens: HLA typing Free radical and Antioxidants Specialized protein: Collagen, Elastin, Keratin, Myosin, Lens protein.	Lecture discussion Demonstration of laboratory test	Short answer questions Objective type



UNIT	TIME	OBJECTIVES	CONTENT	TEACHING LEARNING OBJECTIVES	ASSESSMENT METHODS
			Electrophoresis and Quantitative determination of Immunoglobins – ELISA etc. Investigations and their interpretations		

**Suggested Books:-**

1. Raju S M, Biochemistry for Nurses, Jaypee Brothers,2005.
2. Reddy K R Medical Biochemistry for Nurses, Jaypee Brothers,2006.
3. Vasudevan D M, Textbook of Biochemistry, Jaypee Brothers,2007.
4. Indrani T K, Nursing Manual of Nutrition and Therapeutic Diet, Jaypee Brothers,2008.

**Reference:-**

1. Bansal Srinandan, Food and Nutrition, A.I.T.B.S PUB,2008.
2. Sharma D C, MCQs In Biochemistry 1st Ed, A.I.T.B.S PUB,2008.
3. WHO, Diet,Nutrition and The Prevention of Chronic Diseases, A.I.T.B.S PUB,2005.

**INTRODUCTION TO COMPUTERS****Subject code: 204****Credits 4****Placement:** Second Semester**Time:** Theory-45 hours**Course Description:** this course is designed for the students to develop basic understanding of course of uses in computer & its application in nursing

UNIT	TIME		LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
	T H	P R				
I	3		Identify & define various concepts used in computer]r identify application of computer in nursing	<b>Introduction:</b> Concepts of Computer Hardware and soft ware: trends and technology Application of computer in nursing	Lecture Discussion Demonstration	Short answer Objective type
II	6	20	Describe and Use the Disk Operating System. Demonstrate skill in the use of MS Office.	<b>Introduction to disk operating system</b> DOS Windows (all version) Introduction MS- Word MS- Excel with pictorial presentation MS- Access MS- PowerPoint	Lecture Discussion Demonstration	Short answer Objective type Practical exam
III	2	3	Demonstrate skill in using multi-media. Identify features of computer aided teaching and testing.	Multimedia: Types & uses of computer in teaching & testing	Lecture Discussion Demonstration	Short answer Objective type Practical exam and viva-voce
IV	1	3	Demonstrate use of internet & email.	Use of Internet & email	Lecture Discussion Demonstration Practical session	Short answer Objective type Practical exam and viva-voce





UNIT	TIME		LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
	T H	PR				
V	2	2	Describe & use the statistical package	Statistical packages: types & their features	Lecture Discussion Demonstration  Practical session	Short answer Objective type Practical exam and viva-voce
VI	1	2	Describe the use of Hospital Management System	Hospital management system types and usage	Lecture Discussion Demonstration  Practical session	Short answer Objective type Practical exam and viva-voce

**NURSING FOUNDATIONS – PRACTICAL****Subject code: BNSL-201****Credit: 8****Placement:** Second Semester**Time:** Practical – 650 Hours  
(200 Lab & 450 Clinical)

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

**Semester I : total Hours= 270 (Lab- 150, Clinical 120)**

AREAS	TIME (Hrs)	OBJECTIVES	SKILLS	ASSIGNMENTS	ASSESSMENT METHODS
Demonstration on lab, General Medical & Surgery Ward	120 120 (minimum practice time in clinical area)	Performs admission and discharge procedure	<b>Hospital Admission &amp; Discharge</b> Admission Prepare unit for new patient Prepare admission bed Performs admission procedure New patient Transfer in Prepare patient records <b>Discharge/ Transfer Out</b> Gives discharge counseling Perform discharge procedure (planned discharge LAMA/DAMA & abscond, Referrals & Transfers) Prepare records of discharge/ Transfer. Dismantle & disinfect unit & equipment after discharge/ transfer.	Practice in unit/ Hospital.	Evaluate with checklist Assessment of Clinical performance with designed checklist/ Rating scale. Completion of practical record
		Prepares Nursing Care Plan as per prescribed the nursing process format	<b>Perform Assessment</b> Health history taking, nursing diagnosis, problem list, prioritization, goals & expected outcomes, selection of interventions Writing nursing care plan	Write nursing Process records of Patient. . Simulated-1 . Actual – 1	Assessment of Nursing process Records with check-list  Assessment of actual care given with rating scale



AREAS	TIME (Hrs)	OBJECTIVES	SKILLS	ASSIGNMENT	ASSESSMENT METHODS
			Give care as per the plan		
		<p>Communicate effectively with patient, families &amp; team members</p> <p>Maintain effective human relation</p> <p>Develop plan for patient teaching</p>	<p><b>Communication</b></p> <p>Use verbal &amp; non-verbal communication techniques.</p> <p>Prepare a plan for teaching session</p> <p>Prepare a plan for patient teaching session</p>	<p>Role-plays in simulated situations on communication techniques-I</p> <p>Health talk-I</p>	<p>Assess role plays with the checklist on communication techniques</p> <p>Assess health talk with the checklist</p> <p>Assessment of communication techniques by rating scale</p>
		<p>Prepare patient reports</p> <p>Presents report</p>	<p><b>Write patient report</b></p> <p>Change of shift reports, Transfer report, Incident reports etc</p> <p>Presents patient report</p>	<p>Write nurses note &amp; patient report of 2-3 assigned patient</p>	<p>Assessment of performance rating scale</p>
		<p>Monitor vital signs</p>	<p><b>Vital signs</b></p> <p>Measure, records &amp; interpret alterations in body temperature, pulse, respiration &amp; blood pressure</p>	<p>Lab practice</p> <p>Measures vital signs of assigned patient</p>	<p>Assessment of each skill with checklist</p> <p>Completion of Activity record</p>
		<p>Perform health assessment of each body system</p>	<p><b>Health assessment</b></p> <p>Health history taking</p> <p>Perform assessment</p> <p>General</p> <p>Body system</p> <p>Use various methods of physical examination inspection, percussion, palpation &amp;</p> <p>Auscultation, olfaction</p> <p>Identification of</p> <p>System wise deviations</p>		<p>Assessment of each skill with checklist</p> <p>Completion of activity record</p>



AREAS	TIME (Hrs)	OBJECTIVES	SKILLS	ASSIGNMENT	ASSESSMENT METHODS
		Provide basic nursing care to patients	<b>Prepare Patient's Unit</b> <b>Prepare beds:</b> Open, closed, occupied, operation, amputation Cardiac, fracture, burn, divided & fowler's bed Pain assessment & management  <b>Use of comfort devices.</b>  <b>Hygienic care:</b> Oral hygiene Baths & care of pressure points Hair wash, Pediculosis treatment <b>Body alignment &amp; mobility</b> Range of motion exercises. Positioning: Recumbent, Lateral (right/ left), Fowlers, Sims, Lithotomy, Prone, Trendelenburg position Assist patient in moving, lifting, Transferring, walking. Restraints	Practice in lab & hospital Simulated exercise on CPR manikin	Assessment of each skill with rating scale Completion of activity record



AREAS	TIME (Hrs)	OBJECTIVES	SKILLS	ASSIGNMENT	ASSESSMENT METHODS
		Perform Infection control procedures	<p><b>Infection Control</b> Perform following procedures: Hand washing Techniques(Simple, hand antiseptis, and surgical antiseptis (scrub) Prepare isolation unit in lab/ward. Practice technique of wearing and removing personal protective equipment(PPE) Practice Standard safety precautions (Universal precautions)</p> <p><b>Decontamination of equipment and unit:</b> Surgical asepsis: Sterilization Handling sterilized Equipments. Calculate strengths of lotions Prepare solutions. Care of articles</p> <p><b>Pre and Post operative Care:</b> Skin preparations for surgery: local Preparation of postoperative unit Pre and Post operative teaching and counselling Pre and post operative monitoring. Care of the surgical wound Dressings: suture care, care of drainage, application</p>	<p>Observation study-2 Department of Infection control &amp; CSSD Visits CSSD write observation report-1 Collection of samples for culture Do clinical posting in infection control department and write report. Practice in lab</p>	<p>Assess observation study with checklist Evaluate all procedures with Check-list.</p>



Semester –II Total Hours = 410 (lab 80+ clinical 330)

AREAS	TIME (Hrs)	OBJECTIVES	SKILLS	ASSIGNMENT	ASSESSMENT METHODS
Demonstration lab, General Medical & Surgical Ward	80 330  minimum practic e time in clinical area	Provide nursing care to patients Provide nursing care to patients	<p><b>Feeding:</b> Oral, Enteral, Naso/Orogastric, gastrostomy &amp; parenteral feeding Naso-gastric insertion, suction, &amp; irrigation</p> <p><b>Assisting patient in Urinary elimination</b> Provides urinal/ bed pan Condom drainage Perineal care Catheterization Care of urinary drainage</p> <p><b>Bladder irrigation</b> <b>Assisting bowel elimination</b> Insertion of flatus tube Enemas Insertion of suppository</p> <p><b>Bowel wash</b> Oxygen administration Suctioning: oropharyngeal, nasopharyngeal Chest physiotherapy</p>	Practice in Lab and Hospital	Assessment of each skill with rating scale  Completion of activity record



AR EAS	TIME (Hrs)	OBJECTIVES	SKILLS	ASSIGNMEN T	ASSESSM ENT METHODS
			& postural drainage Care of Chest drainage CPR Intravenous therapy Blood & blood component therapy  <b>Collect/assist for collection of specimens for investigations</b> <b>Urine, sputum, faeces, vomitus, blood &amp; other body fluids</b>  <b>Perform lab tests:</b>  Urine: sugar, albumin, acetone Blood: sugar(with strip/gluco-meter) <b>Hot &amp; cold applications:</b> local & general Sitz bath  Communicating and assisting with self-care of visually & hearing impaired patients   Communicating & assisting with self-care of mentally challenged/disturbed patients  Recreational & diversional therapies  Caring of patient with altered sensorium		



AR EAS	TIME (Hrs)	OBJECTIVES	SKILLS	ASSIGNMEN T	ASSESSM ENT METHOD S
			of bandages, binders, splints & slings Bandaging		
		Administer drugs	<b>Administration of medications</b> Administer medications in different forms and routes. Oral, sublingual, & Buccal Parenteral, Intradermal, subcutaneous, intramuscular etc Assist with intravenous medications Drug Measurements & Dose calculations. Preparations of lotions & solutions Administer topical application Insertion of drug into body cavity: suppository & medicated packing etc Instillation of medicines & spray into ear, eye, nose & throat Irrigations: eye, ear, bladder, vagina & rectum Inhalations: dry & moist.		
		Provide care to dying & dead  Counsel & support relatives	<b>Care of dying patient</b> Caring & packing of dead body Counseling & supporting grieving relatives Terminal care of the unit		

**Suggested books**

1. Potter PA, Fundamentals of Nursing 7th ed, Elsevier, 2009.
2. Basavanthappa B T, Fundamentals of Nursing 2nd ed, Jaypee Brothers, 2009.
3. Potter P A & Thresyamma Perry A G, Fundamentals of Nursing 6th ed, Mosby, 2005.
4. Thresyamma, Fundamentals of Nursing Procedure Manual for General Nursing and Midwifery Course, Jaypee Brothers, 2006.
5. Nancy Sr, Stephanies Principles and Practice of Nursing 6th ed Vol 1 & 2, N R Brothers, 2008.

**Reference:-**

1. Gupta L C, Practical Nursing Procedures 2nd ed, Jaypee Brothers, 2006.
2. Sirra Esther, Nursing Process 2nd ed, ELSEVIER, 2008.
3. Yalayyaswamy N N, First Aid and Emergency Nursing, CBS Pub, 2009.
4. Parker M E, Nursing Theories and Nursing Practice, Jaypee Brothers, 2007.





## Semester III





**MEDICAL SURGICAL NURSING-I-A (ADULT INCLUDING GERIATRICS)**

**Subject code: BNS- 301**

**Credit: 4**

**Placement:** Third Semester

Theory - 140 Hours

**Practical - 390 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.

UNIT	TIM E (HR S)	LEARNING OBJECTIV E	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMEN T METHODS
I	10	<p>Appreciate the trends in medical and surgical nursing.</p> <p>Describe the role of a 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> <p>Introduction to medical surgical nursing- Evolution and trends of medical and surgical nursing</p> <p>Review of Concepts of Health and illness, Disease-concepts, causations, classification Diseases (ICD-10 or later version), Acute illness, Chronic illness, stages of illness</p> <p>Review of concepts of comprehensive nursing care in medical surgical conditions base on nursing process.</p> <p>Role of Nurse, patient and family in care of adult patient</p> <p>Role and responsibilities of a nurse in medical surgical settings:</p> <p>    Outpatient department.</p> <p>    In-patient Unit</p> <p>    Intensive care Unit</p> <p>    Home and Community settings</p> <p>Introduction to Medical Surgical asepsis</p> <p>    Inflammation and Infection</p> <p>    Immunity</p> <p>    Wound healing</p> <p>Care of Surgical Patient Pre –operative</p> <p>    Pre-operative</p> <p>    Intra operative</p> <p>    Post-Operative</p>	<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>• Short answers</li> <li>• Objective Type</li> <li>• Assessment of skills with checklist</li> </ul>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
II	15	Describe the common signs, symptoms, problems and their Specific nursing interventions	<b>Common signs and symptoms and management</b> Fluid and electrolyte imbalance. Vomiting Dyspnea and cough, respiratory obstruction Fever Shock Unconsciousness, Syncope Pain Incontinence Edema Age related problems-geriatric	Lecture discussion Seminar Case discussion	Short answers Objective Type
III	20	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems	<b>Nursing management of patients (adults including elderly) with respiratory problems</b> Review of anatomy and physiology of respiratory system, Nursing Assessment-History and physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with- Upper Respiratory tract infections. Bronchitis Asthma Emphysema Empyema Atelectasis Chronic Obstructive Pulmonary Diseases (COPD) Bronchiectasis Pneumonia Pulmonary tuberculosis Lung abscess Pleural effusion Cysts and Tumours Chest injuries	<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> </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>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
			Respiratory arrest and insufficiency Pulmonary embolism Special therapies, alternative therapies Nursing procedures  Drugs used in treatment of respiratory disorders		



IV	30	Describe the etiology, pathophysiology, 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> <p>Review of anatomy and physiology of digestive system  Nursing Assessment – History and Physical Assessment  Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management  Disorders of  Oral cavity – lips, gums, tongue, salivary glands and teeth  Oesophagus – inflammation, stricture, obstruction, bleeding and tumours  Stomach and duodenum – hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis  Small intestinal disorders – inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation  Large intestinal disorders – colitis, inflammation and infection, obstruction and tumour and lump  Hernias  Appendix – inflammation, mass, abscess, rupture  Anal and rectum; haemorrhoids, fissures, fistulas  Lecture discussion  Explain using charts, graphs  Models, films, slides  Demonstration  Practice session  Case discussions/ Seminar  Health education  Supervised clinical practice  Drug book/presentation  Peritonitis/ acute abdomen  Pancreas; inflammation, cyst, abscess and tumours  Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours  Gall Bladder, inflammation, obstruction, stones and tumours  Special therapies, alternative therapies</p>	<p>Essay type  Short answers  Objective type  Assessment of skills with check list  Assessment of patient management problem</p>
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			<ul style="list-style-type: none"><li>•Nursing procedures</li></ul> Drugs used in treatment of disorders of digestive system		
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UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
V	30	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems  Describes the vascular conditions and its nursing management	<p><b>Nursing management of patient (adults including elderly) with blood and cardio vascular problems</b></p> <p>Review of anatomy and physiology of blood and cardiovascular system Nursing Assessment-History and Physical assessment Etiology, patho-physiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of – Vascular system of –</p> <p>Hypertension, Hypotension Artherosclerosis Raynaud's disease Aneurism and Peripheral vascular disorders</p> <p><b>Heart</b></p> <p>Coronary artery diseases Ischemic Heart Disease Coronary atherosclerosis Angina pectoris Myocardial infarction Valvular disorders of the heart Congenital and acquired Rheumatic Heart diseases Endocarditis, Pericarditis Myocarditis Cardio Myopathies Cardiac dysrhythmias, Heart Block Congestive cardiac failure Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade Cardiac emergencies and arrest Cardio Pulmonary Resuscitation (CPR) Blood Anaemias Polycythemia Bleeding disorder; clotting factor defects and platelets defects Thalassemia</p>	Lecture discussion Explain using charts, graphs Models, films, and slides Demonstration Practice session Case discussion/ Seminar Health education Supervised clinical practice Drug book/ presentation Visit to blood bank Participation in blood donation camps Counselling	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem





UNIT	TIME (HRS )	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
			<p>Leucopenia and agranulocytosis Lymphomas Myelomas Special therapies Blood transfusion safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion. Management and counseling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion. Role of a nurse in Organ donation, retrieval and banking Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders</p>		



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
VI	10	Describe the etiology, pathophysiology, 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 disorders of genito-urinary problems</b></p> <p>Review of anatomy and physiology of genitor-urinary system</p> <p>Nursing Assessment-History and physical assessment</p> <p>Etiology, Pathophysiology, clinical manifestations diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of-</p> <ul style="list-style-type: none"> <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 transplant</li> <li>Congenital disorders, urinary infections</li> <li>Benign prostate hypertrophy.</li> <li>Disorders of ureters, urinary bladder and urethra-inflammation infection, stricture obstruction, tumour, prostrate</li> </ul> <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of genitourinary disorders</p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using</li> <li>• Charts, graphs</li> <li>• Models, films,</li> <li>• slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussion/Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book /presentation</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>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
VII	5	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system	<p><b>Nursing management of dis-orders of male (adults including elderly) reproductive system</b></p> <p>Review of anatomy and physiology of male reproductive system</p> <p>Nursing Assessment –History and physical assessment</p> <p>Etiology, Pathophysiology, clinical manifestation diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of disorders of male reproductive system</p> <p>Congenital malformation; cryptorchidism</p> <p>Hypospadiasis, Epispadiasis</p> <p>Infections</p> <p>Testis and adjacent structures</p> <p>Penis</p> <p>Prostate: inflammation, infection, hypertrophy, tumour</p> <p>Sexual Dysfunction</p> <p>Infertility</p> <p>Contraception</p> <p>Breast; gynecomastia, tumour</p> <p>Climacteric changes</p> <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of male reproductive system</p>	<p>Charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session Case discussions/Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book / presentation</p>	<ul style="list-style-type: none"> <li>Objective type</li> <li>Assessment of skills with check list</li> <li>Assessment of patient management problem</li> </ul>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
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> <p>Review of anatomy and physiology of endocrine system            Nursing Assessment- History and physical assessment            Etiology, Pathophysiology, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of-</p> <p>Disorders of Thyroid and Parathroid            Diabetes mellitus            Diabetes insipidus            Adrenal tumour            Pituitary disorders,</p> <p>Special therapies, alternative therapies            Nursing procedures            Drugs used in treatment of disorders of endocrine system</p>	<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> </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>



UNIT	TIM E (HRS )	LEARNING OBJECTIV E	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMEN T METHODS
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> <p>Review of anatomy and physiology of Skin and its appendages</p> <p>Nursing Assessment-History and physical assessment</p> <p>Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of disorders of skin and its appendages-</p> <p>Lesions and abrasions</p> <p>Infection and infestations;</p> <p>Dermatitis</p> <p>Dermatoses; infectious and Non-infectious</p> <p>“inflammatory Dermatoses”</p> <p>Acne Vulgaris</p> <p>Allergies and Eczema</p> <p>Psoriasis</p> <p>Malignant melanoma</p> <p>Alopecia</p> <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of Integumentary system</p>	<p>Lecture discussion</p> <p>Explain using Charts, graphs</p> <p>Models, films,</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>

### SUGGESTED READING

1. Brunner &Suddarth’s Textbook of Medical Surgical Nursing 11th Edition, New Delhi:Lippincott. Publication, 2008.
2. Sandra M. Neetina. Manual of Nursing Practice 7th Edition, India: Lippincott, 2001.
3. Phipps & Long & wood. Shaffer’s Medical Surgical Nursing. 7th Edition, USA: Mosby, 1980.
4. Joyce M. Black. Medical Surgical Nursing Clinical Management for Continuityof Care.5th Edition, India: W.B. Saunders. Company, 1997.
5. Luckman, J. Medical Surgical Nursing- A Psychophysiological Approach. 3rd Edition,
6. Philadelphia WB Saunders Publishers.



## PHARMACOLOGY, PATHOLOGY AND GENETICS

**Subject code: BNS-302**
**Placement:** Third Semester

**Credit: 4**
**Theory-** 45 Hours

**PHARMACOLOGY:**
**Credit: 2**

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

UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
I	3	Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration	<b>Introduction to pharmacology</b> <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 answer questions Objective type
II	6	Explain chemotherapy of specific infections and infestations and nurse's responsibilities	<b>Chemotherapy</b> <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>Sulfonamides</li> <li>Quinolones.</li> <li>Antiamoebic</li> <li>Antimalarials</li> <li>Anthelmintics</li> <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> </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 answer questions Objective type



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
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; Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</li> <li>• Disinfectants</li> <li>• Insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer questions</li> <li>• Objective type</li> </ul>
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- Antiemetics, Emetics Purgatives Antacids Cholinergic Anticholinergics Fluid and electrolyte therapy Anti diarrhoeals - Histamines</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer questions</li> <li>• Objective type</li> </ul>
V		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- Antiasthmatics Mucolytics Decongestants Expectorants Antitussives Bronchodilators Broncho constrictors Antihistamines</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	<p>Lecture Discussion Drug study/presentation</p>	<p>Short answer questions Objective type</p>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
VI	2	Describe Drugs used on Urinary System and nurse's responsibilities	<b>Drugs used on Urinary System</b> Pharmacology of commonly used- Diuretics and antidiuretics Urinary antiseptics Cholinergic and anticholinergics Acidifiers and alkalanizers Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug study/ presentation	Short answer questions Objective type
VII	4	Describe Drugs used in De-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immune-suppression and nurse's responsibilities	<b>Miscellaneous</b> Drugs used in de-addiction Drugs used in CPR and emergency Vitamins and minerals Immunosuppressant Antidotes Antivenom • Vaccines and sera	Lecture Discussion Drug study/ presentation	Short answer questions Objective type
VIII	1	Describe Drugs used on skin and mucous membranes and nurse's responsibilities	<b>Drugs used on skin and mucous membranes</b> • Topical applications for skin, eye, ear, nose and buccal cavity Antipruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug study/ presentation	Short answer questions Objective type





UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
IX	8	Describe Drugs used on Nervous System and nurses responsibilities	<p><b>Drugs acting on Nervous system</b></p> <p>Basic &amp; applied pharmacology of commonly used:</p> <p>Analgesics and Anaesthetics</p> <p>Analgesics</p> <ul style="list-style-type: none"> <li>- -Non-steroidal anti Inflammatory (NSAID) drugs</li> </ul> <p>Antipyretics</p> <p>Hypnotics and Sedatives</p> <ul style="list-style-type: none"> <li>- Opioids</li> <li>- Non-Opioids</li> <li>- Tranquilizers</li> <li>- General I &amp; local anesthetics</li> <li>- Gases: oxygen, nitrous oxide, carbon dioxide</li> </ul> <p>Cholinergics and anti-cholinergic:</p> <p>Muscle relaxants</p> <p>Major tranquilizers</p> <p>Anti-psychotics</p> <p>Antidepressants</p> <p>Anticonvulsants.</p> <p>Adrenergics</p> <p>Noradrenergics</p> <p>Mood stabilizers</p> <p>Acetylcholine</p> <p>Stimulants</p> <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 answer questions Objective type



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
X	5	Describe Drugs used on Cardio-vascular System and nurse's responsibilities	<b>Cardiovascular drugs</b> Haematinics Cardiotonics, Anti anginas Anti-hypertensives & Vasodilators Anti-arrhythmics Plasma expanders Coagulants & anticoagulants Antiplatelets & thrombolytics Hypolipidemics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity role of nurse	Lecture Discussion Drug study /presentation	Short answer questions Objective type
XI	4	Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	<b>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</b> Insulins & Oral hypoglycemics Thyroid supplements and suppressants Steroids, Anabolics Uterine stimulants and relaxants Oral contraceptives Other estrogen-progestrone preparations Corticotrophin & Gonadotropins Adrenaline. Prostaglandins - Calcitonins Calcium salts • Calcium regulators Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug Study/ presentation	Short answer questions Objective type
XII	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 answer questions Objective type



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**Suggested Books:**

1. Dr. P.P. Singh Uppal, A text book of Pharmacology, S.vikas & co.
2. Raju S M & Chandra S, Short Textbook of Pharmacology for Nurses, Jaypee Brothers, 2009
3. Udaykumar Padmaja, Pharmacology for nurses 2nd edition, Jaypee Brothers, 2008.
4. Spratto G R & Wood, Nurses Drug Handbook, Thomson, 2008.

**Reference:**

1. Grover J.K. & Malik, Textbook of Pharmacology for Nurses, 2nd edition, CBS Publishers, 2005.
2. Tripathi K D, Essential of Medical Pharmacology, 6th edition, Jaypee Brothers, 2009.
3. Lacy C F & Armstrong, Drug Information Handbook POCKET, APHA.
4. McCann JAS, Clinical Pharmacology Made incredibly Easy, Judith A.S., 2006.

**PATHOLOGY****Credit: 1****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 (HRS)		LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
	Theo	Pr.				
I	5		Define the common terms used in pathology. Appreciate the deviations from normal to abnormal structure and functions of the body system.	<b>Introduction</b> Importance of the study of pathology Definition of terms Methods and techniques Cellular and Tissue changes Infiltration and regeneration Inflammations and Infections Wound healing Vascular changes Cellular growth, Neoplasms Normal and Cancer cell Benign and Malignant growths In situ carcinoma  Disturbances of fluid and electrolyte imbalance.	Lecture Discussion Explain using Charts	Short answer questions Objective type
II	10	5	Explain Pathological changes in disease conditions of various systems	<b>Special pathology</b> Pathological changes in disease conditions of various systems: Respiratory tract  Tuberculosis, Bronchitis, Pleural effusion and pneumonia, Lung abscess, emphysema, bronchiectasis, Bronchial asthma, Chronic obstructive Pulmonary disease & tumours	Lecture Discussion Explain using Charts, slides, specimen, X-rays and Scans Visit to Pathology lab, endoscopy unit and OT	Short answer questions Objective type



UNIT	TIME (HRS)		LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
	theo	pr				
				Vascular disorders thrombosis, embolism Stroke, paraplegia, quadriplegia Tumours, meningiomas gliomas Metastatic tumour skeletal system Bone healing, osteoporosis, osteomyelitis Arthritis & tumours		
III	4	3	Describe various laboratory tests in assessment and monitoring of disease conditions	<b>Clinical pathology</b> Various blood and bone marrow tests in assessment and monitoring of disease conditions Hemoglobin, RBC, White cell & platelet counts Bleeding time, clotting time and prothrombin time Blood grouping and cross matching Blood chemistry Blood culture Serological and immunological tests Other blood tests Examination of Bone marrow Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values	Lecture Discussion Demonstration Visit to Clinical Pathology & Biochemistry lab and Blood bank	Short answer questions Objective type



IV	2	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	<b>Examination of body cavity fluids, transudates and exudates</b> The laboratories tests used in CSF analysis Examination of other body cavity fluids, transudates and exudates sputum, wound discharge etc. Analysis of gastric and duodenal contents Analysis of semen-sperm count, motility and morphology and their importance in infertility Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values	Lecture Discussion Demonstration	Short answer questions Objective type
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UNIT	TIME (HRS)		LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
	Th	pr				
V	1	1	Describe the laboratory tests for examination of Urine and faeces	<b>Urine and faeces</b> Urine Physical characteristics Analysis Culture and sensitivity Faeces Characteristics Stool examination: occult blood, ova, parasite and cyst, reducing substance etc. Methods of collection for various tests, inference and normal values	Lecture Discussion Demonstration	Short answer questions Objective type

#### Suggested Books:

1. Panda U. N. , Handbook of Pathology, A.I.T.B.S. Publisher, 2006.
2. Dr.Priti Gupta, A textbook of Pathology, S. vikas& Co.
3. PunjaRajpal, Viva in Pathology, A.I.T.B.S. Publisher, 2006.

#### Reference:

1. Gupta Priti, A Textbook of Pathology for Nursing Courses, S Vikas& Co, 2009.
2. Panda U N, Handbook of Pathology, A.I.T.B.S Publishers, 2006.

**GENETICS****Credit: 1****Theory:** 15 Hour

**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)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
I	3	Explain nature, principles and perspectives of heredity	<p><b>Introduction:</b></p> <p>Practical application of genetics in Nursing</p> <p>Impact of genetic condition on families</p> <p>Review of cellular division mitosis and meiosis.</p> <p>Characteristics and structure of genes</p> <p>Chromosomes — sex determination</p> <p>Chromosomal aberrations</p> <p>Patterns of inheritance</p> <p>Mendelian theory of inheritance</p> <p>Multiple allots and blood groups</p> <p>Sex linked inheritance</p> <p>Mechanism of inheritance</p> <p>Errors in transmission (Mutation)</p>	Lecture Discussion Explain using charts, slides	Short answer questions Objective type
II	3	Explain Maternal, prenatal and genetic influences on development of defects and diseases	<p><b>Maternal, prenatal and genetic influences on development of defects and diseases</b></p> <p>Conditions affecting the mother: genetic and infections</p> <p>Consanguinity atopy</p> <p>Prenatal nutrition and food allergies.</p> <p>Maternal Age</p> <p>Maternal drug therapy</p> <p>Prenatal testing and</p>	Lecture Discussion Explain using charts, slides	Short answer questions Objective type
			<p>diagnosis</p> <p>Effect of Radiation, drugs and chemicals</p> <p>Infertility</p> <p>Spontaneous abortion</p> <p>Neural Tube Defects and the role of folic acid in lowering the risks</p>		





			Down syndrome (Trisomy 21)		
III	2	Explain the screening methods for genetic defects and diseases in neonates and children	<b>Genetic testing in the neonates and children</b> Screening for Congenital abnormalities Developmental delay - Dysmorphism	Lecture Discussion Explain using charts, slides	Short answer questions Objective type
IV	2	Identify genetic disorders in adolescents and adults	<b>Genetic conditions of adolescents and adults</b> Cancer genetics — Familial Cancer Inborn errors of metabolism Blood group alleles and haematological disorder Genetic haemochromatosis Huntington's disease • Mental illness	Lecture Discussion Explain using charts, slides	Short answer questions Objective type
V	5	Describe the role of nurse in genetic services and counselling	<b>Services related to Genetics</b> . Genetic testing • Human genome project • Gene therapy • The Eugenics movement • Genetic Counselling Legal and Ethical issues Role of nurse	Lecture Discussion	Short answer questions Objective type

#### Suggested Books:

1. Randhawa S S, A Textbook of Genetics, S Vikas & Co, 2009
2. Pal G P, Basics of Medical Genetics, A.I.T.B.S. Publisher, 2006

**SOCIOLOGY****Subject code: BNS- 303****Credit: 4****Placement:** Third Semester**Theory–60 Hours**

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

UNIT	TIME (HOURS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
I	1	State the importance of sociology in Nursing	<b>Introduction</b> Definition of Sociology Nature and Scope of the discipline Importance and application of Sociology in Nursing	Lecture Discussion	Essay type Short answers
II	3	Describe the inter-relationship of individual in society and community	<b>Individual &amp; Society</b> Society and Community Nature of Society Difference between Society and Community Process of Socialization and individualization Personal disorganization	Lecture Discussion	Essay type Short answers
III	3	Describe the influence of culture and on health 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               <ul style="list-style-type: none"> <li>• Influence on health and disease</li> </ul> </li> </ul>	Lecture Discussion Panel Discussion	Essay type Short answers
IV	4	Identify various social groups and their interactions	<b>Social groups and Processes</b> The meaning and classification of groups Primary & Secondary Group In-group V/s. Out-group, Class Tribe, Caste Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction & Social Processes Co-operation, Competition, Conflict Accommodation, Assimilation & Isolation	Lecture Discussion	Essay type Short answers



UNIT	TIME (HOURS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
VIII	6	Describe the types of communities in India, their practices and the impact on health	<b>Types of Communities in India (Rural, Urban and Regional)</b> <ul style="list-style-type: none"> <li>• Features of village community &amp;</li> <li>• 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: Urbanization and its impact on health and health practices</li> <li>• Major Urban problems- Urban Slums</li> <li>• Region: Problems and impact on Health</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Visits to rural and urban community survey</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of report on community survey</li> </ul>
IX	4	Explain the process of Social Change	<b>Social Change</b> <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> <li>• Role of nurse-Change agents</li> </ul>	Lecture Discussion	Essay type Short answer types



UNIT	TIME (HOURS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
X	4	Explain the process of Social Change	<b>Social organization and social system</b> <ul style="list-style-type: none"><li>• Social organization: elements, types</li><li>• Democratic and authoritarian modes of participation,</li><li>• Voluntary associations</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>	<ul style="list-style-type: none"><li>• Lecture</li><li>• Discussion</li><li>• Observation visits</li></ul>	<ul style="list-style-type: none"><li>• Essay type</li><li>• Short answers</li><li>• Assessment of visit reports</li></ul>
XI	2	Explain the nature and process of social control	<b>Social Control</b> <ul style="list-style-type: none"><li>• Nature and process of social control</li><li>• Political, Legal, Religious, Educational, Economic,</li><li>• Industrial and</li><li>• Technological systems,</li><li>• Norms &amp; Values-</li><li>• Folkways &amp; Mores</li><li>• Customs, Laws and Fashion</li><li>• Role of Nurse.</li></ul>	<ul style="list-style-type: none"><li>• Essay type</li><li>• Short answers</li><li>• Assessment of report on community Survey.</li></ul>	<ul style="list-style-type: none"><li>• Essay type</li><li>• Short answers</li><li>• Assessment of report on community Survey.</li></ul>



UNIT	TIME (HOURS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
XII	15	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 labor, child abuse, delinquency and crime, substance abuse, HIV/AIDS.</li> <li>• Social Welfare programmes in India</li> </ul> <p>Role of nurse</p>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of report on community survey.</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of report on community survey.</li> </ul>

#### Suggested Books:

1. Neeraja K. P., Textbook of sociology for Nursing Students, Jaypee Brothers, 2006. 2. Abraham C.M., Sociology for Nurses, B.I. Publication, 2007. 3. Kumari Neelam, A Textbook of Sociology, S. Vikas & co., 2009. Reference:

#### Reference:

1. Indrani T K., Textbook of Sociology for Nurses, Jaypee Brothers, 2006 2. Kavitha VRS, Sociology in Nursing Globe, Jaypee Brothers, 2008. 3. George Maya, Sociology for Nurses, A.I.T.B.S PUB, 2009.

**COMMUNICATION AND EDUCATIONAL TECHNOLOGY**

Subject code: BNS-304

Credit: 4

Placement: Third Semester

Theory - 90 hours

UNIT	TIME		LEARNING OBJECTIVE	CONTENT	TEACHING AND LEARNING METHOD	ASSESSMENT METHOD
	Th	Pr				
I	5		Describe the communication process identify techniques of effective communication	<b>Review of Communication Process</b> Process; elements and channel Facilitators Barriers and methods of overcoming Techniques	Lecture Discussion Role plays Exercises with audio/video tapes	Short Answer Objective type Assess the planning & conduct of the educational session
II	5		Establish effective interpersonal relations with patients, families & co-workers	<b>Interpersonal relations</b> Purpose & types Phases Barriers & methods of overcoming Johari Window	Lecture Discussion Role Plays Exercises with audio/video tapes Process recording	Short Answer Objective type Assess the planning & conduct of the educational session
III	5		<b>Human relations</b> • Understanding self • Social behaviour, motivation, social attitudes • Individual and groups • Groups & individual • Human relations in context of nursing • Group dynamics Team work	<b>Human relations</b> • Understanding self • Social behaviour, motivation, social attitudes • Individual and groups • Groups & individual • Human relations in context of nursing • Group dynamics Team work	Lecture Discussion Sociometry Group games Psychometric exercise followed by discussion	Short Answer Objective type Assess the planning & conduct of the educational session



UNIT	TIME		LEARNING OBJECTIVE	CONTENT	TEACHING AND LEARNING METHOD	ASSESSMENT METHOD
	Th	Pr.				
IV	10	5	Develop basic skill of counseling and guidance	<b>Guidance &amp; counseling</b> Definition Purpose, scope and need Basic principles Organization of counseling services Types of counseling approaches Role and preparation of counselor Issues for counseling in nursing: students and practitioners Counseling process — steps & techniques, tools of counselor Managing disciplinary problems Management of crisis & referral	Lecture Discussion Sociometry Group games Psychometric exercise followed by discussion	Short Answer Objective type Assess the planning & conduct of the educational session
V	5		Describe the philosophy & principles of Education Explain the teaching learning process	<b>Principles of education &amp; teaching learning process</b> <ul style="list-style-type: none"> <li>• Education: meaning, philosophy, aims, functions &amp; principles</li> <li>• Nature and Characteristics of learn</li> <li>• Principles and maxims of teaching,</li> <li>• Formulating objectives; general and specific</li> <li>• Lesson planning</li> <li>• Classroom management</li> </ul>	Lecture Discussion Sociometry Group games Psychometric exercise followed by discussion	Short Answer Objective type Assess the planning & conduct of the educational session
VI	10	10	Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings	<b>Method of teaching</b> Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching problem-based learning, Self-instructional module and simulation etc. <ul style="list-style-type: none"> <li>• Clinical teaching methods: case method, nursing round</li> </ul>	Lecture discussion  Conduct 5 teaching sessions using different methods & media	Short answer



				& reports, bedside clinic, conference (individual & group) process recording.		
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UNIT	TIME		LEARNING OBJECTIVE	CONTENT	TEACHING AND LEARNING METHOD	ASSESSMENT METHOD
	Theo	Pr				
VII	10	8	Prepare and use different type of educational media effectively	<b>Educational Media</b> Purposes and types of A.V. Aids, Principles & Sources etc., Graphic aids: chalk board, chart, graphs, posters, flash cards, flannel graph, bulletin, cartoon. 3 Dimensional Aids: Objects, Specimens, Models, Puppets Printed Aids: Pamphlets & leaflets. Projected Aids: Slides, OHP, Films, TV, VCR/ VCD, Camera, Microscope, LCD. Audio Aids: Tape recorder, public address system. Compute	Lecture, discussions, Demonstration Prepare different teaching aids- Projected and non-projected.	Short answers Objective Type Assess the teaching aids prepared.
VIII	5	7	Prepare types of questions for assessment of knowledge, skills and attitudes	<b>Assessment:</b> Purpose and scope of evaluation and assessment Criteria for selection of assessment techniques and methods Assessment of knowledge: Essay type questions Short answer questions (SAQ). Multiple Choice Questions (MCQ). Assessment of skills: Observation Check List, Practical Exam, Viva, Objective Structured clinical examination (OSCE) Assessment of attitude: Attitude scales.	Lecture, discussion Exercise on writing different types of assessment tools.	Short answer  Objective types Assess the strategies used in practice teaching sessions and exercise sessions





UNIT	TIME		LEARNING OBJECTIVE	CONTENT	TEACHING AND LEARNING METHOD	ASSESSMENT METHOD
	Theo	Pr				
IX	5		Teach individuals, groups and communities about health with their active participation	<b>Information, Education &amp; communication for health (IEC)</b> o Health behaviour & health education Planning for health education Health education with individuals, groups & communities Communicating health messages Methods & media for communicating health messages Using mass media	Lecture Discussion Plan & conduct health education, sessions for individuals, group & communities	Short Answer Objective type Assess the planning & conduct of the educational session

#### Suggested Books:

1. Butter B K & Kumari Neelam, A Textbook of Communication and Educational Technology, S Vikas & Co. 2010.
2. Neelam Kumari, Management of Nursing Services and Education, S. vikas & Co.





## **Semester IV**





**MEDICAL SURGICAL NURSING-I B (ADULT INCLUDING GERIATRICS)**

**Subject code:** BNS-401  
**Placement:** Fourth Semester

**Credit:** 4  
**Theory -** 70 Hours  
**Practical – 330 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.

UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
1	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 musculoskeletal problems</b></p> <p>Review of anatomy and physiology of musculoskeletal system</p> <p>Nursing Assessment- History and physical assessment</p> <p>Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of Disorders of-</p> <p>Muscles, Ligaments and Joints- inflammation, infection, trauma</p> <p>Bones-inflammation, infection dislocation, fracture, tumour and trauma</p> <p>Osteomalacia and osteoporosis</p> <p>Arthritis</p> <p>Congenital deformities</p> <p>Spinal column-defects and deformities, Tumor, prolapsed inter vertebral discs, Pott's spine</p> <p>Paget's disease</p> <p>Amputation</p> <p>Prosthesis</p> <p>Transplant &amp; replacement surgeries</p> <p>Rehabilitation.</p> <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of musculoskeletal system</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>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>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
II	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Immunological system.	<p><b>Nursing management of patient (adults including elderly) with Immunological problems</b></p> <p>Review of Immune system Nursing Assessment –History and physical assessment Etiology, Path physiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of- Immunodeficiency disorder Primary immune-deficiency. Phagocyte dysfunction B-cell and T-cell deficiencies Secondary immunodeficiency Syndrome (AIDS) Incidence of HIV &amp; AIDS Epidemiology Transmission –Prevention of Transmission Standard Safety precautions Role of Nurse; Counseling Health education and home care consideration. National AIDS Control Program-NACO, various national and international agencies Infection control program Rehabilitation.</p> <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system</p>	<p>Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/ Seminar Health education Supervised clinical practice Drug book/ presentation</p> <p>Orientation visit to Hospital Control System</p>	<p>Short answers Objective type Assessment of skills with check list Assessment of patient management problem</p>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
III	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 disease</b></p> <p>Overview of infectious disease, the infectious process Nursing Assessment- History and physical assessment Epidemiology, infections process, clinical manifestations, diagnosis, treatment, prevention and diet. Control and Eradication of common Communication Diseases-</p> <ul style="list-style-type: none"> <li>Tuberculosis</li> <li>diarrhoeals</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>Filariasis</li> <li>HIV, AIDS</li> </ul> <p>Reproductive Tract Infections Special Infection control measures, Notification, Isolation,</p>	<p>Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book/presentation</p>	<p>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient Management Problem</p>



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
			Quarantine, Immunization, Infectious Disease Hospitals Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable diseases		





UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
IV	25	Describe the Organization and physical set up of operation theatre Identify the various instruments and equipment used for common surgical procedures Describe the role of the nurse in the Peri Operative nursing care	<b>Preoperative nursing:</b> Organization and Physical set up of the Operation Theatre (OT): Classifications O.T.DESIGN Staffing Members of the OT team. Duties and responsibilities of nurse in O.T. Principles of Health and operating room attire. Instruments, Sutures and suture materials Equipment O.T. tables and sets for common surgical Procedures Positions and draping for common surgical procedures Scrubbing procedures Gowning and gloving Preparation of O.T. Sets Monitoring the patient during surgical procedures Maintenance of therapeutic environment in O.T. Standard Safety measures Infection control: fumigation, disinfection and sterilization Biomedical waste Prevention of accidents and	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
			sterilization Biomedical waste Prevention of accidents and hazards in O.T. Anesthesia Types Methods of administration Effects and Stages Equipment Drugs Cardio Pulmonary Resuscitation (CPR) Pain management techniques Legal Aspects		

### SUGGESTED READING

1. Brunner & Suddarth's Textbook of Medical Surgical Nursing 11th Edition, New Delhi : Lippincott. Publication, 2008.
2. Sandra M. Neetina. Manual of Nursing Practice 7th Edition, India: Lippincott, 2001.
3. Phipps & Long & wood. Shaffer's Medical Surgical Nursing. 7th Edition, USA: Mosby, 1980.
4. Joyce M. Black. Medical Surgical Nursing Clinical Management for Continuity of Care. 5th Edition, India: W.B. Saunders. Company, 1997.
5. Luckman, J. Medical Surgical Nursing- A Psychophysiological Approach. 3rd Edition, Philadelphia WB Saunders Publishers.


**BNSL- MEDICAL SURGICAL NURSING – I (Practical)**
**Subject code :BNSL 401**
**Credit: 8**
**Placement: - Fourth Semester**
**Practical – 720 Hours**

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Methods
General Medical Ward (Respiratory, GI, endocrine, Renal, Hematology)	6	Provide nursing care to adult patients with medical disorders Counsel and educate patients and families	Assessment of patient – Taking history Perform general and specific physical examination, Identify alteration and deviations Practice medical surgical asepsis- Standard safety measures Administer medications Oral, IV, IM Subcutaneous IV Therapy IV cannulation Maintenance and monitoring Oxygen therapy by different methods Nebulization Chest physiotherapy Nasogastric feeding Assist in common diagnostic Perform/assist in therapeutic procedures Blood and component therapy Throat Suctioning Collect specimens for common investigations Maintain elimination Catheterization Bowel wash Enema Urinary drainage Maintain Intake- Output and documentation Counsel and teach related to specific disease conditions	Plan and give care to 3-4 assigned patients Nursing care plan -2 Nursing case study/presentation- 1 Drug presentation- 1 Maintain drug book Maintain Practical record book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study/ presentation Completion of practical record



Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Methods
General Surgical Ward (GI, Urinary, CTVS)	6	Provide pre and post operative nursing care to adult patients with surgical disorders Counsel and education patients and families	Practice medical surgical asepsis- standard safety measures Pre operative preparation of patients Post operative care- receiving patients, assessment, monitoring, care Care of wound and drainage Suture removal Ambulation and exercise Naso gastric aspiration Care of chest drainage Ostomy care Gastrostomy Colostomy Enterostomy Blood and component therapy Practice universal precautions	Plan and give care to 3-4 assigned patients Nursing care plan -2 Nursing case study/presentation-1 Drug presentation- 1 Maintain drug book Maintain Practical record book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study/presentation Completion of activity record
Cardiology ward	2	Provide pre and post operative nursing care to adult patients with surgical disorders Counsel and education patients and families	Physical examination of cardiovascular system Recording and interpreting ECG Monitoring of patients Preparation and assisting in non-invasive and invasive diagnosis procedures. Administer cardio drugs Cardio Pulmonary Resuscitation Teach patients and families Practice medical surgical asepsis-Standard safety measures.	Plan and give care to 2- 3 assigned patients Nursing care plan -1 Nursing case study/presentation/ Health talk -1 Drug presentation- 1 Maintain drug book Maintain Practical record book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study/presentation/ health talk Completion of activity record



Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Methods
Skin and communicable Diseases Ward	1	Identify skin problem Provide nursing care to patients with skin disorders and Communicable diseases Counsel and education patients and families	Assessment of patients with skin disorders Assist in diagnostic and therapeutic procedures Administer topical medication Practice medial surgical asepsis-Standard safety measures Use personal protective equipment (PPE) Give medicated baths Counseling HIV positive patients Teach prevention of infectious diseases.	Plan and give care to 2-3 assigned patients Health talk/ Counseling HIV positive patients and families-1 Maintain drug book	Assess performance with rating scale Evaluation of health talk/ Counseling session Completion of activity record
Orthopedic Ward	2	Provide nursing care to patients with musculo-skeletal Counsel and education patients and families	Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction-buck's extension traction Assist in application and removal of prosthesis Physiotherapy-Range of Motion (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach prevention of infectious diseases.	Plan and give care to 3-4 assigned patients Nursing care plan -1 Nursing case study/presentation-1 Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study/ presentation Completion of activity record
Operation Theatre	6	Identify instruments used in common operations Participate in infection control practices in the Operation Theatre	Scrubbing, gowning, gloving Identify instruments, suturing materials for common operations Disinfection, Carbolization, fumigation Preparation of instruments sets for common operations Sterilization of sharps and other instruments	Assist as a circulatory nurse in- o Major cases-10 o Minor cases-5 Assist as a scrub nurse- o Major cases-10	Assess performance with rating scale completion of activity record



Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Methods
		Set – up the table/trolleys for common operative procedures Assist in giving anesthesia Assist in the operative procedures Provide peri-operative nursing care	Prepare the OT table depending on the operation Positioning and monitoring of patients Endo-tracheal intubation Assisting in minor and major operations Handling specimens Disposal of wastes as per guidelines	○ Minor cases-5 Maintain drug book	

**Suggested Books:**

1. Smeltzer S. C. Bare, Hinkle, Brunner & Suddarths, Textbook of Medical & Surgical Nursing 11th edition, Vol 1, 2008.
2. Body Mildred, Medical–Surgical Nursing, 3rd edition, Springhouse, 1997.
3. Lewis Heitkemper, Medical-Surgical Nursing 7th edition, Mosby, Elsevier, 2009.

**Reference:**

1. D.D. Ignatavicius, Medical & Surgical Nursing, 2nd edition, W.B. Saunders, 1995.
2. Long Cassmeyer, Medical & Surgical Nursing: A Nursing Process approach, 3rd edition, Mosby, 1993.
3. Basavanhappa B T, Medical Surgical Nursing 2nd ed, Jaypee Brothers, 2009.



## COMMUNITY HEALTH NURSING - I

**Subject code:** BNS-402

**Credit:** 4

**Placement:** Fourth Semester

**Theory -100hours**

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

UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
I	2	Describe concept and dimensions of health	<p><b>Introduction</b></p> <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	Short answers
II	22	Describe determinants of health	<p><b>Determinants of health</b></p> <p>Eugenics</p> <p>Environment:</p> <p>Physical: Air, light, ventilation, Water, Housing, Sanitation; disposal of waste disposal of dead bodies, Forestation, Noise, Climate, communication</p> <p>infrastructure facilities and Linkages</p> <p>Acts regulating the environment:</p> <p>National</p> <p>Pollution control board</p> <p><b>Bacterial &amp; viral:</b> Agents, host carriers and immunity</p> <p>Anthropoids and Rodents,</p> <p>Food hygiene: Production, Preservation, Purchase, preparation, consumption</p> <p>Acts regulating food hygiene-</p> <p>Prevention of food adulteration act, Drugs and cosmetic act</p> <p><b>Food Borne diseases</b></p> <p><b>Food poisoning and food intoxication, Public health response to food borne diseases, Food safety, food storage, and handling. Eat right Campaign</b></p> <p>Socio-cultural Customs, taboos</p> <p>“Marriage system family structure of</p>	Lecture discussion Explain using Charts, graphs, Models, films, slides Visits to water supply, sewage disposal milk plan slaughter house etc	Essay type Short answers Objective type



			Status of special groups; Females, Children, Elderly, challenged groups and Sick persons Life Style, Hygiene, Physical activity, Recreation and sleep, Sexual life Spiritual life philosophy, Self reliance Dietary pattern, Education, Occupation Financial Management Income Budget Purchasing power Security		
III	14	Describe concept, scope, uses methods and approaches of epidemiology	<b>Epidemiology</b>  Definition, concept, aims, scope, uses and terminology used in epidemiology Epidemiological investigation International classification of diseases. Medical entomology Dynamics of disease Transmission: epidemiological triad 17. Morbidity and mortality: measurements Levels of prevention Methods of epidemiology of Descriptive Analytical: Epidemic investigation o Experimental  <i>Investigation of Outbreak</i> • <b>Steps of Investigation of an Outbreak with example of Outbreak of common diseases</b>  <b>IDSP</b> • <b>Integrated Disease surveillance Programme under Communicable disease</b>	Lecture discussion  Explain using  Charts, graphs  Models, films, slides	Essay type Short answers





UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
IV	25	Describe Epidemiology and nursing: management of common Communicable Diseases	<b>Epidemiology and nursing management of common Communicable Diseases:</b> <ul style="list-style-type: none"> <li>• Small Pox</li> <li>• Chicken Pox</li> <li>• Measles</li> <li>• Influenza</li> <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</li> <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>• Hookworm infestation</li> <li>• Ascariasis</li> <li>• Dracunculiasis</li> <li>• Arthropod infections</li> <li>• Dengue</li> <li>• Malaria</li> <li>• Filariasis</li> <li>• Chikungunya</li> <li>• Zoonoses</li> <li>• Viral</li> <li>• Rabies</li> <li>• Yellow fever</li> <li>• Japanese encephalitis</li> <li>• Kyasanur Forest Disease</li> <li>• Bacterial</li> <li>• Brucellosis</li> <li>• Plague</li> <li>• Human Salmonellosis</li> <li>• Anthrax</li> <li>• Leptospirosis</li> <li>• Rickettsial diseases</li> <li>• U Rickettsial Zoonoses</li> <li>• Scrub typhus</li> <li>• Murine typhus.</li> </ul>	Lecture, discussion, Explain using Charts, graphs, Models, films, Slides, Seminar,  Supervised field practice-health centres, clinics and homes  Practice under supervision: Use of Assessment formats / Checklists for common Communicable Diseases among the children.  Group projects & Health-education	Essay type,  Short answers,  Objective type  Assessment of Infants / Pre-School / School going children with use of checklists for common Communicable Diseases.



			<ul style="list-style-type: none"> <li>• Tick typhus fever</li> <li>• Parasitic zoonoses</li> <li>• Taeniasis</li> <li>• Hydatid disease</li> <li>• Leishmaniasis</li> <li>• Surface infection</li> <li>• Trachoma</li> <li>• Tetanus</li> <li>• Leprosy</li> <li>• STD &amp; RTI</li> <li>• Yaws</li> <li>• HIV/AIDS</li> </ul>		
V	10	Describe Epidemiology and nursing management of common Non-communicable diseases	<p><b>Epidemiology and Nursing management of Non-communicable diseases</b></p> <ul style="list-style-type: none"> <li>• Malnutrition: under nutrition, over nutrition, nutritional deficiencies</li> <li>• Anaemia</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>	<p>Seminar, Supervised field practice-health centres, clinics and homes.</p> <p>Group projects, Health education Lecture, Discussion.</p> <p>Explain using Charts, graphs Models, films etc Practice under supervision:</p> <p>Use of Assessment formats / Checklists for common Non-Communicable Diseases prevalent among Rural &amp; Urban community.</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment with checklists for common Non-Communicable Diseases</p> <p>Assessment of Pre-School children in ICDS centres.</p>
VI	6	Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation of demographic data	<p><b>Demography</b></p> <ul style="list-style-type: none"> <li>• Definition, concept and scope</li> <li>• Methods of data collection, analysis and interpretation of demographic data</li> <li>• Demographic rates and ratios</li> </ul>	<p>Lecture discussion</p> <p>Community identification survey</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of Survey report</p>



UNIT	TIM E (HRS )	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
VII	21	Identify the impact of population explosion in India Describe methods of population control	<p><b>Population and its control</b></p> <ul style="list-style-type: none"> <li>Population explosion and its impact on social, economic development of individual, society and country</li> <li>Population control: Overall development: Women empowerment, social, economic and educational development</li> <li>Limiting family size: Promotion of small family norm Methods: spacing (natural, biological, chemical, mechanical methods etc) Terminal: surgical methods Emergency contraception</li> </ul> <p><b>National Family Planning Programmes</b></p> <ul style="list-style-type: none"> <li>India's vision and activities to achieve FP 2020 goals</li> <li>Newer family planning methods, unmet need, Basket of choice</li> </ul>	Lecture discussion Population survey Counselling Demonstration Practice session Supervised field practice	Essay type Short answers Objective type Assessment of Survey report

#### Suggested Books:

1. Park K, Essentials of Community Health Nursing 4th edition, Banarasidas Bharot,2004.
2. Rao A Sridhar, Community Health Nursing,AIBTS publisher,2009.
3. Basavanthappa B T, Community Health Nursing,Jaypee Brothers,2008
4. NeelamKumari, A text book of Community Health Nursing-I & II, S vikas& co.

#### Reference:

1. Rao Sridhar, Principles of Community Medicine, A.I.T.B.S PUB,
2. Stanphone Marcia, Public and Community Health Nurses Consultant,Mosby,
3. Cary J V, Nurse s Homecare Handbook, Springhouse,
4. Vijay E, Community Medicine, B.I. publications, 2007

**COMMUNITY HEALTH NURSING-I: PRACTICAL****Subject Code: BNS- 402****Credits: 4**

PLACEMENT: Fourth Semester

TIME: 150 HOURS

Area	Duration	Objectives	Skills	Assignments	Assessment Method
Community health nursing	Urban-2 wks Rural-2 wks	<p>Build and Maintain rapport</p> <ul style="list-style-type: none"> <li>Identify demographic characteristics, health determinants and community health resources</li> <li>Diagnose health needs of individual and families</li> <li>Provide primary care in health centre</li> <li>Counsel and educate individual, family and community</li> </ul>	<ul style="list-style-type: none"> <li>Use Techniques of interpersonal relationship</li> <li>Identification of health determinants of community</li> <li>History taking</li> <li>Physical examination</li> <li>Assessment of Infants / Pre-School / School going children with the use of checklists for common Communicable Diseases prevalent among these age groups.</li> <li>Assessment of Pre-School children in ICDS centre.</li> <li>Assessment of Rural &amp; Urban communities with the help of checklists for common Non-Communicable Diseases prevalent among the age groups.</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</li> </ul>	<ul style="list-style-type: none"> <li>To work with 2 assigned families each in urban and rural</li> <li>Family Study</li> <li>Observation report of community –1</li> <li>Health talks - 2 (1 in urban and in rural)</li> </ul>	<p>Assess clinical performance with rating scale</p> <ul style="list-style-type: none"> <li>Assess each skill with checklist</li> <li>Evaluation of family study, observation report and health talk</li> <li>Completion of activity record</li> </ul>



			adults		
			<ul style="list-style-type: none"><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>		






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**COMPULSORY ENGLISH**
**Subject code:****Credit: 4****Placement: Fourth Semester****Hours: 60**

UNIT	HOURS	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
<b>I</b>		<b>Elementary Grammar:</b>  Articles Tense Direct and Indirect Speech Preposition		
<b>II</b>		<b>Composition:</b>  Essay writing Letter Writing Comprehension Précis/ Report Writing		
<b>III</b>		<b>Poetry</b>  John Donne –“Death be not Proud” Oliver goldsmith – “The Village School Master” Robert Frost- “Stopping by Woods on a Snowy Evening” Nissim Ezekiel –“Night of Scorpion”		
<b>IV</b>		<b>Short Story:</b>  Leo Tolstoy – “How much Land Does a Man Need” Rabindranath Tagore – “Kabuliwala” Ernest Hemingway – “In Another Country” R.K Narayan – “A Horse and Two Goats”		

**Suggested Readings:**

Eastwood, John, *Oxford Practice Grammer (OUP)*  
 Robert W. Bly. *Webster's New World Letter Writing Handbook*  
 Dulgu, Gabi. *Essay Writing for English Test*











## **Semester V**





**MEDICAL SURGICAL NURSING-II (ADULT INCLUDING GERIATRICS)-**

**Subject code: BNS - 501**

**Credit: 4**

**Placement: Fifth Semester**

**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.

UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	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>Nursing management of patient with disorders of Ear Nose and Throat</p> <p>Review of anatomy and physiology of the Ear Nose and Throat -</p> <p>Nursing Assessment-History and Physical assessment</p> <p>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of Ear Nose and Throat disorders:</p> <ul style="list-style-type: none"> <li>○ External ear: deformities otalgia, foreign bodies, and tumours</li> <li>○ Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours</li> <li>○ Inner ear- Meniere’s Disease, labyrinthitis, ototoxicity, tumours</li> <li>○ Upper airway infections — Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis</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 / Seminars</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>



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			<ul style="list-style-type: none"> <li>○ peritonsillar abscess, laryngitis</li> </ul> Upper respiratory airway - epistaxis, Nasal obstruction, laryngeal obstruction, cancer of the larynx Cancer of the oral cavity Speech defects and speech therapy Deafness - Prevention, control and rehabilitation Hearing Aids, implanted hearing devices Special therapies nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness.		
II	15	Describe the Etiology, Patho physiology, clinical manifestation s diagnostic measures and management of patients with disorders of eye	<b>Nursing management of patient with disorders of eye</b> Review of anatomy and physiology of the eye- Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: <ul style="list-style-type: none"> <li>○ Refractive errors</li> <li>○ Eyelids-infection, tumours and 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 uveal</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 Visit to eye bank Participation in eye-camps	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			<ul style="list-style-type: none"> <li>○ tract,</li> <li>○ Ocular tumours</li> <li>○ Disorders of posterior chamber and retina: Retinal and vitreous problems.</li> <li>○ Retinal detachment</li> <li>○ Ocular emergencies and their prevention</li> </ul> Blindness National blindness control Program <ul style="list-style-type: none"> <li>○ Eye Banking</li> <li>○ Eye prostheses and Rehabilitation</li> </ul> Role of a nurse- Communication with visually impaired Patient, Eye camps Special therapies Nursing procedures Drugs used in treatment of disorders of eye.		
III	16	Describe the Etiology, Patho physiology, clinical manifestations diagnostic measures and management of patients with neurological disorders	<b>Nursing management of patient with neurological disorders</b> Review of anatomy and physiology of the neurological system Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders Congenital malformations Headache Head Injuries Spinal Injuries: <ul style="list-style-type: none"> <li>○ Paraplegia</li> <li>○ Hemiplegia</li> <li>○ Quadraplegia</li> </ul> Spinal cord compression-herniation of intervertebral disc	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice Drug book /presentation Visit to rehabilitation centre	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			<p>Tumors of the brain &amp; spinal cord</p> <p>Intra cranial and cerebral aneurysms</p> <p>Infections:</p> <ul style="list-style-type: none"> <li>○ Meningitis, Encephalitis, Brain abscess, neurocysticercosis</li> </ul> <p>Movement disorders</p> <ul style="list-style-type: none"> <li>○ Chorea</li> <li>○ Seizures</li> <li>○ Epilepsies</li> </ul> <p>Cerebro-Vascular Accidents (CVA)</p> <p>Cranial, Spinal Neuropathies — Bell's palsy, trigeminal neuralgia</p> <p>Peripheral Neuropathies; GuillainBarr'e Syndrome</p> <p>Myasthenia gravis</p> <p>Multiple sclerosis</p> <p>Degenerative diseases</p> <ul style="list-style-type: none"> <li>○ Delirium</li> <li>○ Dementia</li> <li>○ Alzheimer's disease</li> <li>○ Parkinson's disease</li> </ul> <p>Management of unconscious patients and patients with stroke</p> <p>Role of the nurse in communicating with patient having neurological deficit</p> <p>Rehabilitation of patients with neurological deficit</p> <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>		





UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
IV	16	<p>Describe the Etiology, Patho physiology, clinical manifestation s diagnostic measures and management of patients with disorders of female reproductive system</p> <p>Describe concepts of reproductive health and family welfare programme</p>	<p><b>Nursing management of patients with disorders of female reproductive system</b></p> <p>Review of anatomy and physiology of the female reproductive system</p> <p>Nursing Assessment-History and Physical assessment</p> <p>Breast Self-Examination</p> <p>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management disorder of female reproductive system</p> <p>Congenital abnormalities of female reproductive system</p> <p>Sexuality and Reproductive Health</p> <p>Sexual Health Assessment</p> <p>Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome</p> <p>Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia</p> <p>Pelvic Inflammatory Disease- Ovarian and fallopian tube disorders; infections, cysts, tumours</p> <p>Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele</p> <p>Vaginal disorders; Infections and Discharges, Fistulas</p> <p>Vulvur disorders; Infections, cysts, tumours</p> <p>Diseases of breast</p>	<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 discussion s / 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>



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			Deformities, Infections, Cysts and Tumours Menopause and Hormonal Replacement Therapy Infertility Contraception; Types Methods, Risk and effectiveness ○ Spacing Methods - Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, ○ Terminal methods - Sterilization Emergency Contraception methods Abortion -Natural, Medical and surgical abortion - MTP Act Toxic Shock Syndrome Injuries and Trauma; Sexual violence Special therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery	<b>Nursing management of patients with Burns, reconstructive and cosmetic surgery</b> Review of anatomy and physiology of the skin and connective tissues and various deformities Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Burns and	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			Re-constructive and Cosmetic surgery; Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes Role of Nurse Legal aspects Rehabilitation Special therapies <ul style="list-style-type: none"> <li>○ Psycho social aspects</li> </ul> Nursing procedures Drugs used in treatment of Bums, reconstructive and cosmetic surgery	Drug book /presentation	
VI	10	Describe the Etiology, Patho physiology, clinical manifestations diagnostic measures and management of patients with oncology	<b>Nursing management of patients with oncological conditions</b> Structure & characteristics of normal & cancer cells Nursing Assessment-History and Physical assessment Prevention, Screening, Early detection, Warning signs of cancer Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc. Oncological emergencies	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



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			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> psychosocial aspects of cancer. Rehabilitation Palliative care Symptom and Pain Management, Nutritional support Home care Hospice care Stoma Therapy Special therapies <ul style="list-style-type: none"> <li>○ Psycho social aspects</li> </ul> Nursing procedures		
VII	10	Describe organization of emergency and disaster care services  Describe the role of nurse in disaster management  Describe the role of nurse in management of common Emergencies	<b>Nursing management of patient in EMERGENCY &amp; DISASTER situations</b> <b>Disaster Nursing:</b> Concepts and principles of Disaster Nursing 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> Policies related to emergency/disaster management; International, national, state, institutional Disaster preparedness: Team, Guidelines, protocols, Equipments, Resources	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice Disaster management drills Drug book presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			<p>Coordination and involvement of; Community, various govt. departments, non-Government organizations and International agencies</p> <p>Role of nurse: working</p> <p>Legal Aspects of Disaster Nursing</p> <p>Impact on Health and after effects; Post Traumatic Stress Disorder</p> <p>Rehabilitation; physical, psychosocial, Financial, Relocation</p> <p><b>Emergency Nursing</b></p> <p>Concept, priorities, principles and Scope of emergency nursing</p> <p>Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse</p> <p>Coordination and involvement of different departments and facilities</p> <p>Nursing Assessment-History and Physical assessment</p> <p>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of patient with medical and surgical emergency</p> <p>Principles of emergency</p> <p>Common emergencies</p> <p>Respiratory emergencies</p> <p>Cardiac emergencies</p> <p>Shock and haemorrhage</p> <p>Pain</p> <p>Poly trauma, road accidents, crush injuries, wound</p>		



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			Bites Poisoning; food, gas, drugs and chemical poisoning Seizures Thermal emergencies; heat stroke & cold injuries Pediatric emergencies Psychiatric emergencies Obstetrical emergencies Violence, abuse, sexual assault Cardio Pulmonary Resuscitation Crisis intervention Role of the nurse; Communication and Inter Personal Relations Medico- Legal Aspects		
VII	10	Explain the concept and problem of aging  Describe nursing care of elderly	<b>Nursing care of the elderly</b> Nursing Assessment-History and Physical assessment Aging; Demography; Myths and realities Concepts and theories of aging Cognitive aspects of aging Normal biological ageing Age related body systems changes Psychological aspects of aging Medications and elderly Stress & coping in older adults Common health problems & nursing management Cardiovascular, Respiratory, Musculoskeletal Endocrine, genitor-urinary, gastrointestinal Neurological, Skin and other Sensory organs ○ Psychosocial and sexual	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice Drug book /presentation Visit to old age home	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			<ul style="list-style-type: none"> <li>○ Abuse of elderly</li> <li>Role of a nurse for care of elderly: ambulation, nutritional, communicational, psychological and spiritual</li> <li>Role of a nurse for caregivers of elderly</li> <li>Role of family and formal and non-formal caregivers</li> <li>Use of aids and prosthetic (hearing aids, dentures)</li> <li>Legal &amp; Ethical Issues</li> <li>Provisions and Programmes for elderly; privileges, community programs and health services</li> <li>Home and institutional care</li> </ul>		
IX	10	<p>Describe organization of critical care units</p> <p>Describe the role of nurse in management of patient's critical care units</p>	<p><b>Nursing management of patient in critical care units</b></p> <p>Nursing Assessment-History and Physical assessment</p> <p>Classification</p> <p>Principles of critical care nursing</p> <p>Organization; Physical setup, Policies, staffing norms, Protocols, equipment and supplies</p> <p>Special equipment; ventilators, cardiac monitors, defibrillator, Resuscitation equipment</p> <p>Infection Control Protocol</p> <p>Nursing management of critically ill patient;</p> <p>Monitoring of critically ill patient</p> <p>CPR-Advance Cardiac Life support</p> <p>Treatments and procedures.</p> <p>Transitional care</p> <p>Ethical and Legal Aspects</p> <p>Communication with</p>	<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 / 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>



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			patient and Family Intensive care records Crisis Intervention Death and Dying-coping with Drugs used in critical care unit		
X	8	Describe the Etiology, Pathophysiology, clinical manifestations diagnostic measures and management of patients with occupational and industrial health disorder	<b>Nursing management of patients, adults including elderly with Occupational and Industrial Disorders</b> Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders Role of nurse Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational and Industrial disorders		




**MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-II PRACTICAL**

**Subject code: BSNL-501**  
**Placement: Fifth Semester**  
**Internship – 430 hours**

**Credit: 4**  
**Practical – 270 hours**

Areas	Duration (in wks)	Objectives of Posting	Skills to be Developed	Assignments	Assessment Methods
ENT	1	Provide care to patients with ENT disorders  Counsel and educate patient and families	Perform examination of ear, nose and throat Assist with diagnostic procedures Assist with therapeutic procedures Instillation of drops Perform/assist with irrigations. Apply ear bandage Perform tracheotomy care Teach patients and families	Provide care to 2-3 assigned patients Nursing care plan-1 Observational report of OPD Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD Completion of activity record
Ophthalmology	1	Provide care to patients with eye disorders  Counsel and educate patient and families	Perform examination of eye Assist with diagnostic procedures Assist with therapeutic procedures Perform/assist with irrigations. Apply eye bandage Apply eye drops/ointments Assist with foreign body removal Teach patients and families	Provide care to 2-3 assigned patients Nursing care plan-1 Observational report of OPD & eye bank Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD/eye bank Completion of activity record
Neurology	2	Provide care to patients with neurological	Perform neurological examination Use Glasgow coma scale Assist with diagnostic	Provide care to 2-3 assigned patients with neurological	Assess each skill with checklist Assess



		disorders Counsel and educate patient and families	procedures Assist with therapeutic procedures Teach patients and families Participate in rehabilitation program	Disorders Case study/case presentation -1 Maintain drug book Health teaching-1	performance with rating scale Evaluation of case study & health teaching Completion of activity record
Gyneco logy	1	Provide care to patients with gynecological disorders Counsel and educate patient and families	Assist with gynecological examination Assist with diagnostic procedures Assist with therapeutic procedures Teach patients and families Teaching self-breast examination Assist with PAP smear collection	Provide care to 2-3 assigned patients Nursing care plan-1 Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan Completion of activity record
Burns unit	1	Provide care to patients with burns Counsel and educate patient and families	Assessment of the burns patient <ul style="list-style-type: none"> <li>o Percentage of burns</li> <li>o Degree of burns.</li> </ul> Fluid & electrolyte replacement therapy <ul style="list-style-type: none"> <li>o Assess</li> <li>o Calculate</li> <li>o Replace</li> <li>o Record intake/output</li> </ul> Care of Bum wounds <ul style="list-style-type: none"> <li>o Bathing</li> <li>o Dressing</li> </ul> Perform active & passive exercises Practice medical & surgical asepsis Counsel & Teach patients and families Participate in rehabilitation program	Provide care to 1-2 assigned patients Nursing care plan-1 Observation report of burns unit	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan and observational report Completion of activity record



Oncology unit	1	<p>Provide care to patients with cancer</p> <p>Counsel and educate patient and families</p>	<p>Screen for common cancers-TNM Classification</p> <p>Assist with diagnostic procedures</p> <ul style="list-style-type: none"> <li>○ Biopsies</li> <li>○ Pap smear</li> <li>○ Bone-marrow aspiration</li> </ul> <p>Breast examination</p> <p>Assist with therapeutic procedures</p> <p>Participates in various modalities of treatment</p> <ul style="list-style-type: none"> <li>○ Chemotherapy</li> <li>○ Radiotherapy</li> <li>○ Pain management</li> <li>○ Stomal therapy</li> <li>○ Hormonal therapy</li> <li>○ Immunotherapy</li> <li>○ Gene therapy</li> <li>○ Alternative therapy</li> </ul> <p>Participate in palliative care</p> <p>Counsel and teach patient families</p> <ul style="list-style-type: none"> <li>○ Self-Breast Examination</li> <li>○ Warning signs</li> </ul> <p>Participate in rehabilitation program</p>	<p>Provide care to 2-3 assigned patients</p> <p>Nursing care plan-1</p> <p>Observation report of cancer unit</p>	<p>Assess each skill with checklist</p> <p>Assess performance with rating scale</p> <p>Evaluation of care plan and observational report</p> <p>Completion of activity record</p>
Critical care unit	2	<p>Provide care to critically ill patients</p> <p>Counsel and educate patient and families</p>	<p>Monitoring of patients in ICU</p> <p>Maintain flow sheet</p> <p>Care of patient on ventilators</p> <p>Perform Endotracheal suction</p> <p>Demonstrates use of ventilators, cardiac monitors etc.</p> <p>Collect specimens and interprets ABG analysis</p> <p>Assist with arterial puncture</p> <p>Maintain CVP line</p> <p>Pulse oximetry</p> <p>CPR-ALS</p> <p>Defibrillator</p> <p>Pace makers</p> <p>Bag-mask ventilation</p>	<p>Provide care to 1 assigned patients</p> <p>Observation report of critical care unit</p> <p>Drugs book</p>	<p>Assess each skill with checklist</p> <p>Assess performance with rating scale</p> <p>Evaluation of observational report</p> <p>Completion of activity record</p>



			Emergency tray/ Crash Cart Administration of drugs <ul style="list-style-type: none"><li>○ Infusion pump</li><li>○ Epidural</li><li>○ Intrathecal</li><li>○ Intra cardiac</li></ul> Total parenteral therapy Chest physiotherapy Perform active & passive exercises Counsel the patient and family in dealing with grieving and bereavement		
Casualty/Emergency	1	Provide care to patients in emergency and disaster situation  Counsel and educate patient and families	Practice triage”. Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations Assist in documentations Assist in legal procedures in emergency unit Participate in managing crowd Counsel patient and families in grief and bereavement	Observation report of emergency unit	Assess performance with rating scale Evaluation of observational report Completion of activity record

**Placement:** Internship**Time:** 9 weeks

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

**Recommended Books:**

1. Smeltzer – Brunner &Suddharth Textbook of Medical Surgical Nursing, 2010,LWW
2. Black – Medical Surgical Nursing,2009,Elsevier
3. Nettina – Lippincott manual of Nursing Practice,2009,LWW
4. Lewis – Medical Surgical Nursing,2008,Elsevier

**MENTAL HEALTH NURSING****Subject code: BNS-502****Credit: 4****Placement: Fifth Semester****Time: Theory – 90 hours****Practical – 270 hours****Internship –95 hours (2 weeks)**

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

UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
I	5	Describes the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Describe the National Mental Health Act, programme s and mental health policy Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour	<b>Introduction</b> Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices. Prevalence and incidence of mental health problems and disorders. Mental Health Act National Mental health policy vis-a-vis National Health Policy National Mental Health programme Mental health team Nature and scope of mental health nursing Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice Concepts of normal and abnormal behavior	Lecture Discussion	Objective type Short answers Assessment of the field visit reports



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
II	5	<p>Defines the various terms used in mental health Nursing</p> <p>Explains the classification of mental disorders</p> <p>Explain psycho dynamics of maladaptive behavior</p> <p>Discuss the etiological factors, psychopathology of mental disorders</p> <p>Explain the Principles and standards of Mental health Nursing</p> <p>Describe the conceptual models of mental health nursing</p>	<p><b>Principles and Concepts of Mental Health Nursing</b></p> <p>Definition: mental health nursing and terminology used</p> <p>Classification of mental disorders: ICD 10/11</p> <p>Review of personality development, defense mechanisms</p> <p>Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s)</p> <p>Etiology: bio- psycho-social factors</p> <p>Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission</p> <p>Principles of Mental health Nursing</p> <p>Standards of Mental health Nursing practice</p> <p>Conceptual models and the role of nurse:</p> <ul style="list-style-type: none"> <li>○ Existential Model</li> <li>○ Psycho-analytical models</li> <li>○ Behavioural model</li> <li>○ • Interpersonal model</li> </ul>	<p>Lecture discussion</p> <p>Explain using Charts Review of personality development</p>	<p>Essay type</p> <p>Short answer</p> <p>Objective type</p>
III	8	<p>Describe nature, purpose and process of assessment of mental health status</p>	<p><b>Assessment of mental health status</b></p> <p>History taking</p> <p>Mental status examination</p> <p>Mini mental status examination</p> <p>Neurological examination:</p> <p>Review</p> <p>Investigations: Related Blood</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Clinical practice</p>	<p>Short answer</p> <p>Objective type</p> <p>Assessment of skills with checklist</p>



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			chemistry, EEG, CT & MRI Psychological tests Role and responsibilities of nurse		
IV	6	Identify therapeutic communication techniques Describe therapeutic relationship Describe therapeutic impasse and its intervention	<b>Therapeutic communication and nurse-patient relationship</b> Therapeutic communication: Types, techniques, characteristics Types of relationship, Ethics and responsibilities Elements of nurse patient contract Review of technique of IPR-Johari Window Goals, phases, tasks, therapeutic techniques Therapeutic impasse and its intervention	Lecture discussion Demonstration Role play Process recording	Short answer Objective type
V	14	Explain treatment modalities and therapies used in mental disorders and role of the nurse	<b>Treatment modalities and therapies used in mental disorders</b> Psycho Pharmacology Psychological therapies: Therapeutic community, psychotherapy-Individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback Alternative systems of medicine Occupational therapy Physical Therapy: electro convulsive therapy Geriatric considerations Role of nurse in above therapies	Lecture discuss ion Demonstration Group work Practice session Clinical practice	Essay type Short answers Objective Type
VI	5	Describe the etiology, psycho-pathology, clinical	<b>Nursing management of patient with Schizophrenia, and other psychotic disorders</b> Classification: ICD Etiology, psycho-pathology, types, clinical manifestations, diagnosis	Lecture discussion Case discussion Case presentation Clinical	Essay type Short answers Assessment of patient management problems.





UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
		manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders	Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders Geriatric considerations Follow-up and home care and rehabilitation	practice	
VII	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders	<b>Nursing management of patient with mood disorders</b> Mood disorders: Bipolar affective disorder, Mania depression and dysthymia, etc. Etiology, psycho-pathology, clinical manifestations, diagnosis, Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with mood disorders Geriatric considerations Follow-up and home care and rehabilitation	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems.
VIII	8	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic stress related and somatization disorders	<b>Nursing management of patient with neurotic, stress related and somatization disorders</b> Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder Etiology, psycho-pathology, clinical manifestations, diagnosis Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with neurotic, stress related and somatization	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems.



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			<p>disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and rehabilitation</p>		
IX	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	<p><b>Nursing management of patient with Substance use disorders</b></p> <p>Commonly used psychotropic substance: classification, forms, routes, action, intoxication and withdrawal</p> <p>Etiology of dependence: tolerance, physiological and physical dependence, withdrawal syndrome, diagnosis</p> <p>Nursing assessment- history, physical, mental assessment and drug assay</p> <p>Treatment (detoxification, ant abuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders</p> <p>Geriatric considerations</p> <p>Follow up and home care and rehabilitation</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management problems</p>
X	4	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders	<p><b>Nursing management of patient with Personality, Sexual and Eating disorders</b></p> <p>Classification of disorders</p> <p>Etiology, psycho-pathology, characteristics, diagnosis,</p> <p>Nursing Assessment-History,</p> <p>Physical and mental assessment</p> <p>Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and rehabilitation</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management problems.</p>



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
XI	6	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	<p><b>Nursing management of childhood and adolescent disorders including mental deficiency</b></p> <p>Classification Etiology, psychopathology, characteristics, diagnosis Nursing Assessment- History, Physical, mental and IQ assessment</p> <p>Treatment modalities and nursing management of childhood disorders including mental deficiency</p> <p>Follow-up and home care and rehabilitation</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management problems.</p>
XII		Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders.	<p><b>Nursing management of organic brain disorders</b></p> <p>Classification: ICD 10/11</p> <p>Etiology, psychopathology, clinical features, diagnosis and Differential diagnosis (Parkinson's and Alzheimer's)</p> <p>Nursing Assessment- History, Physical, mental and neurological assessment</p> <p>Treatment modalities and nursing management of organic brain disorders</p> <p>Geriatric considerations Follow-up and home care and rehabilitation</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management problems.</p>
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	<p><b>Psychiatric emergencies and crisis intervention</b></p> <p>Types of psychiatric emergencies and their management</p> <p>Stress adaptation Model: stress and stressor, coping, resources and mechanism</p> <p>Grief: Theories of grieving process, principles, techniques of counseling</p> <p>Types of crisis</p> <p>Crisis Intervention: Principles, Techniques and Process</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Clinical practice</p>	<p>Short answers</p> <p>Objective type</p>



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			Geriatric considerations Role and responsibilities of nurse		
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	<b>Legal issues in Mental Health Nursing</b> The Mental Health Act 1987: Act, Sections, Articles and their implications etc. Indian Lunacy Act.1912 Rights of mentally ill clients Forensic psychiatry Acts related to narcotic and psychotropic substances and illegal drug trafficking Admission and discharge procedures Role and responsibilities of nurse	Lecture discussion Case discussion	Short answers Objective type
XV	4	Describe the model of preventive psychiatry  Describes Community Mental health services and role of the nurse	<b>Community Mental Health Nursing</b> Development of Community Mental Health Services: National Mental Health Programme Institutionalization Versus Deinstitutionalization Model of Preventive psychiatry: Levels of Prevention Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse Mental Health Agencies: Government and voluntary, National and International Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV /AIDS etc	Lecture discussion Clinical / field practice Field visits to mental health service agencies	Short answers Objective type Assessment of the field visit reports



## MENTAL HEALTH NURSING- PRACTICAL

**Subject code: BNSL-502**
**Credit: 4**
**Placement: Fifth Semester**
**Time: Practical – 270 hours (9 weeks)**
**Internship –95 hours (2 weeks)**

Areas	Duration (in wks)	Objectives of posting	Skills	Assignments	Assessment methods
Psychiatric OPD	1	Assess patients with mental health problems Observe and assist in therapies Counsel and educate patient, and families	History taking Perform mental status examination (MSE) Assist in Psychometric assessment Perform Neurological examination Observe and assist in therapies Teach patients and family member	History taking and Mental status examination- 2 Health education- 1 Observation report of OPD	Assess performance with rating scale Assess each skill with checklist Evaluation of health education Assessment of observation report Completion of activity record.
Child guidance clinic	1	Assessment of children with various mental health problems Counsel and educate children, families and significant others	History taking Assist in psychometric assessment Observe and assist in various therapies Teach family and significant others	Case work-1 Observation report of different therapies-I	Assess performance with rating scale Assess each skill with checklist Evaluation of the observation report
Inpatient ward	6	Assess patients with mental health problems To provide nursing care	History taking Perform mental status examination (MSE) Perform Neurological examination Assist in psychometric assessment Record therapeutic, communication	Give care to 2-3 patients with various mental disorders	Assess performance with rating scale Assess each skill



		for patients with various mental health problems Assist in various therapies Counsel and educate patients,	Administer medications Assist in Electro- convulsive Therapy	Case study- 1 Care plan -2 Clinical presentation 1 Process recording 2 Maintain drug book	with checklist Evaluation of the case study, care plan, clinical presentation, process recording Completion of activity
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Areas	Duration (in wks)	Objectives of posting	Skills	Assignments	Assessment methods
		families and significant others	(ECT) Participate in all therapies Prepare patients for Activities of Daily living (ADL) Conduct admission and discharge counseling Counsel and teach patients and families		Record
Community psychiatry	1	To identify' patients with various mental disorders To motivate patients for early treatment and follow up To assist' in follow up clinic Counsel and educate patient, family and community	Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and teach family members, patients and community	Case work-I Observation report on field visits	Assess performance with rating scale Evaluation of case work and observation report Completion of activity record

**Internship**

Area	Duration (in wks)	Objectives	Skills	Assessment
Psychiatric ward	2	Provide comprehensive care to patient with mental health problems	Integrated practice	Assess clinical performance with rating scale

**Recommended Books:**

1. Townsend – Psychiatric Mental Health Nursing, 2007, F.A. Davis
2. Shives – Basic Concepts in Psychiatric Mental Health Nursing, 2007, LWW
3. Stuart – Principles & Practice of Psychiatric Nursing, 2008, Elsevier
4. Sreevani – Psychiatric Mental Health Nursing, 2008, Jaypee

**Reference Books:**

1. Boyd – Psychiatric Nursing, 2007, LWW
2. Ahuja – Psychiatry – 2008, Jaypee
3. Kaplan – Kaplan & Sadock's Synopsis of Psychiatry, 2007, LWW
4. Kaplan – Kaplan & Sadock Concise Textbook of Clinical Psychiatry, 2008, LWW
5. Lalitha - Psychiatric Mental Health Nursing , VMG Publishers
6. Kaplan – Kaplan & Sadock Handbook of Clinical Psychiatry, 2010, LWW
7. Schlitz – Lippincott's Manual of Psychiatric Nursing Care Plans, 2009, LWW





## ENVIRONMENTAL STUDIES

Subject code: HUR-UG-F105

Credit: 4

Placement: Fifth Semester

Time: Theory – 60 hours

UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
I			<b>Environment and Ecosystem</b> Introduction, Importance and Scope of Environmental Studies Components of Environment; Atmosphere, Hydrosphere, Lithosphere and Biosphere Ecosystems: Concept, Structure and Function of an Ecosystem; Energy Flow, Food Chains, Food Webs, Ecological Pyramids, Ecological Niche and Keystone Species.		
II			<b>Resources and Conservation</b> Introduction and Classification of Resources Problems Associated with Resources and Conservation; Forest resources, Water Resources, Energy Resources, Land Resources Biodiversity: Introduction, Issues and Conservation		
III			<b>Environmental Pollution and Issues</b> Introduction to Environmental Pollution Causes, Effects and Control Measures of: Air Pollution, Water Pollution, Soil Pollution, Noise Pollution, Nuclear Pollution Environmental Issues; Climate Change, Global Warming, Acid Rain, Ozone Layer Depletion etc. Firecracker and Associated Issues		
VI			<b>Human and Environment</b> Human-Environment Relationship, Sustainable Development: Concept and Issues Role of Information Technology in Environmental Management Solid Waste Management Environmental Refugees Environmental Ethics: Issues and possible solutions		





**Semester VI**





## CHILD HEALTH NURSING

Subject code: BNS-601

Credit: 4

Placement: Sixth Semester

Time: Theory – 90 hours

Practical – 270 hours

Internship –145 hours

**Course Description:** This course is designed for developing and 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 OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
I	15	<p>Explain the modern concept of child care &amp; principles of child health nursing</p> <p>Describe national policy programs and legislation in relation to child health and welfare.</p> <p>List major causes of death during infancy, early &amp; late childhood</p> <p>Describe the major functions and role of the paediatric nurse in caring for a hospitalized child.</p> <p>Describe the principles of child</p>	<p><b>Introduction</b></p> <p><b>Modern concepts of childcare</b></p> <p>Internationally accepted rights of the Child</p> <p>National policy and legislation in relation to child health and welfare</p> <p>National programmes related to child health and welfare</p> <p>Agencies related to welfare services to the children</p> <p>Changing trends in hospital care, preventive, promotive and curative aspects of child health.</p> <p>Child morbidity and mortality rates.</p> <p>Differences between an adult and child</p> <p>Hospital environment for a sick child</p> <p>Impact of hospitalization on the child and family.</p> <p>Grief and bereavement</p> <p>The role of a Child health nurse in caring for a hospitalized child</p> <p>Principles of pre and post-operative care of infants and children</p> <p>Child health nursing procedures</p>	<p>Lecture</p> <p>discussion</p> <p>Demonstration of common paediatric procedures</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p>



		health nursing			
II	20	Describe the normal growth & development of children	<b>The healthy child</b> Principles of growth and development Factors affecting growth & development	Lecture discussion Developmental study of infant	Short answers Objective type



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
		<p>at different ages &amp; provide parental guidance</p> <p>Identify the nutritional needs of children at different ages and ways of meeting the needs</p> <p>Appreciate the role of play for normal &amp; sick children.</p> <p>Appreciate the preventive measures and strategies for children</p>	<p>Growth and development from birth to adolescence</p> <p>The needs of normal children through the stages of development and parental guidance</p> <p>Nutritional needs of children &amp; infants: breast feeding, exclusive breast feeding supplementary/ artificial feeding and weaning, Baby friendly hospital concept</p> <p>Accidents: causes and prevention</p> <p>Value of play and selection of play material</p> <p>Preventive immunization, immunization programme and cold chain</p> <p>Preventive paediatrics</p> <p>Care of under-five &amp; under five clinics/ well baby clinics</p>	<p>children</p> <p>Observation study of normal and sick child</p> <p>Field visit to Anganwadi, child guidance clinic</p> <p>Film show on breast feeding</p> <p>Clinical practice/field</p>	<p>Assessment of field visits and developmental study reports</p>
III	15	<p>Provide care to normal &amp; high-risk neonates</p> <p>Perform neonatal resuscitation.</p> <p>Recognize and manage common neonatal problems</p>	<p><b>Nursing care of a neonate</b></p> <p>Nursing care of a normal newborn/Essential newborn care</p> <p>Neonatal resuscitation</p> <p>Nursing management of a low birth weight baby.</p> <p>Kangaroo mother care</p> <p>Nursing management of common neonatal disorders</p> <p>Organization of neonatal unit.</p> <p>Identification &amp; nursing management of common congenital malformations.</p>	<p>Lecture</p> <p>Discussion</p> <p>Workshop on neonatal resuscitation</p> <p>Demonstration</p> <p>Practice session</p> <p>Clinical practice</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist</p>
IV	10		<p><b>Integrated management of neonatal and childhood illnesses (IMNCI)</b></p>		



UNIT	TIME (HRS)	LEARNING OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHODS
V	20	Provide nursing care in common childhood diseases Identify measures to prevent common childhood diseases including immunization	<p><b>Nursing management in common childhood diseases</b></p> <p>Nutritional deficiency disorders</p> <p>Respiratory disorders and infections</p> <p>Gastrointestinal infections, infestations and congenital disorders</p> <p>Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease</p> <p>Genito- urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders.</p> <p>Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida.</p> <p>Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia</p> <p>Endocrine disorders: Juvenile Diabetes Mellitus -</p> <p>Orthopedic disorders: club feet, hip dislocation and fracture.</p> <p>Disorders of skin, eye, and ears</p> <p>Common communicable diseases in children, their identification, nursing management in hospital and home and prevention.</p> <p>Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning.</p> <p>Nursing care of infant and children with HIV / AIDS</p>	Lecture Discussion Demonstration Practice session Clinical practice	Short answers Objective type Assessment of skills with checklist
VI	10	Manage the child with behavioral social problems Identify the social & welfare services for challenged children	<p><b>Management of behavioral &amp; social problems in children</b></p> <p>Management of common behavioral disorders</p> <p>Management of common psychiatric problems</p> <p>Management of challenged children: Mentally, Physically, &amp; Socially challenged</p> <p>Welfare services for challenged children in India.</p> <p>Child guidance clinics</p>	Lecture discussion Field visits to child guidance clinics, school for mentally & physically, socially challenged	Short answers Objective type Assessment of field reports



**CHILD HEALTH NURSING- PRACTICAL****Subject code: BSNL-601****Credit: 4****Placement: Sixth Semester****Time: 270 hours (9 weeks)****Internship –145 hours (3 weeks)**

Areas	Duration (in wks)	Objectives of posting	Skills	Assignments	Assessment methods
Paediatric Medicine Ward	3	Provide nursing care to children with various medical disorders Counsel and educate parents.	<p>Taking Paediatric History Physical examination and assessment of children Administer of oral, I/M &amp; IV medicine/fluids Calculation of fluid requirements Prepare different strengths of I. V. fluids Apply restraints Administer oxygen inhalation by different methods Give baby bath Feed children by Katori spoon, etc. Collect specimens for common investigations Assist with common diagnostic procedures Teach mothers/parents</p> <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>	<p>Give care to three assigned paediatric patients Nursing Care Plan-I Case study/ presentation - I Health Talk -I</p>	<p>Assess clinical performance with rating scale Assess each skill with checklist OSCE/OSP E Evaluation of case study! presentation and Health education session Completion of activity record.</p>
Paediatric Surgery Ward	3	Recognize different pediatric surgical conditions/malformations Provide pre and post- operative care to	<p>Calculate, prepare and administer I/V fluids Do bowel wash Care for ostomies:</p> <ul style="list-style-type: none"> <li>○ Colostomy irrigation</li> <li>○ Ureterostomy</li> <li>○ Gastrostomy</li> <li>○ Enterostomy</li> </ul> <p>Urinary catheterization and drainage Feeding</p>	<p>Give care to three assigned paediatric surgical patients Nursing Care Plan - 1 Case study /</p>	<p>Assess clinical performance with rating scale Assess each skill with checklist OSCE/OSP E Evaluation</p>



Areas	Duration (in wks)	Objectives of posting	Skills	Assignments	Assessment methods
		children with common paediatric surgical conditions/malformation Counsel and educate parents	<ul style="list-style-type: none"> <li>○ Naso-gastric</li> <li>○ Gastrostomy</li> <li>○ Jejunostomy</li> </ul> Care of surgical wounds Dressing Suture removal	Presentation - 1	of case study/ presentation Completion of activity record
Pediatric OPD/immunization room	1	Perform assessment of children: Health, Developmental and Anthropometric Perform Immunization Give Health Education / Nutritional	Assessment of children <ul style="list-style-type: none"> <li>○ Health assessment</li> <li>○ Developmental assessment</li> <li>○ Anthropometric assessment</li> </ul> Immunization Health/Nutritional Education	Developmental study - I	Assess clinical performance with rating scale Completion of activity record
Paediatric medicine and surgery ICU	1+1	Provide nursing care to critically ill children	Care of a baby in incubator/warmer Care of a child on ventilator Endotracheal suction Chest physiotherapy Administer fluids with infusion pump Total parenteral nutrition Phototherapy Monitoring of babies Cardio Pulmonary Resuscitation	Nursing care plan I Observation report I	Assess clinical performance with rating scale Completion of activity record Evaluation of observation report

**Internship**

Area	Duration (in wks)	Objectives	Skills	Assessment
Pediatric medicine ward/ICU	1	Provide comprehensive care to children with medical conditions	Integrated practice	Assess clinical performance with rating scale
Pediatric surgery ward/ICU	1	Provide comprehensive care to children with surgical conditions	Integrated practice	Assess clinical performance with rating scale
NICU	1	Provide intensive care to neonates	Integrated practice	Assess clinical performance with rating scale

**Recommended Books:**

1. Kyle – Essentials of Pediatric Nursing, 2009, LWW
2. Marlow – Textbook of Pediatric Nursing, 1996, Elsevier
3. Hockenberry – Essentials of Pediatric Nursing, 2008, Elsevier
4. Potts – Pediatric Nursing, 2007, Thomson Learning
5. Bowden – Pediatric Nursing Procedure, 2009, LWW

**Reference Books:**

1. Hockenberry – Wong's Nursing Care of the Infants & Children, 2007, Elsevier
2. Ricci – Maternal & pediatric nursing, 2009, LWW
3. Hatfield – Broadribb's Introductory Pediatric Nursing, 2007, LWW
4. Lakshmana's – Clinical Pediatrics, Lakshmana Publications
5. Bowden – Children and Their Families, 2010, LWW
6. Nelson – Textbook of Pediatrics, 2007, Elsevier.
7. Ghai – Essentials of Pediatrics, 2009, CBS
8. Avery's Neonatology, 2006, LWW
9. Fleisher – Pediatric emergency Medicine, 2006,
10. Achar's Textbook of Pediatrics, 2009, Orient Black Swan.



## MIDWIFERY AND OBSTETRICAL NURSING-(Part-A)

**Subject code: BNS-602**

**Credit: 4**

**Placement: Sixth Semester**

**Time: Theory – 46 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 woman during antenatal, natal and post-natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high-risk neonates and participate in family welfare programme.

Unit	Time (hrs)	Learning objectives	Content	Teaching learning activities	Assessment method
I	3	Recognize the trends and issues in midwifery and obstetrical nursing	<p><b>Introduction to midwifery and obstetrical Nursing</b></p> <p>Introduction to concepts of midwifery and obstetrical Nursing</p> <p>Trends in midwifery and obstetrical nursing</p> <ul style="list-style-type: none"> <li>○ Historical perspectives and current trends</li> <li>○ Legal and ethical aspects</li> <li>○ Preconception 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 and welfare.</li> <li>○ Maternal morbidity, mortality and fertility rates</li> <li>○ Peri-natal morbidity and mortality rates</li> </ul>	Lecture discussion Explain using Charts, graphs	Short answers Objective type
II	8	Describe the anatomy and physiology of female reproductive system	<p><b>Review of anatomy and physiology of female reproductive system and foetal development</b></p> <p>Female pelvis-general description of the bones, joints, ligaments, planes of the pelvis, diameters of the true pelvis, important landmarks, variations in pelvis shape.</p> <p>Female organs of reproduction - external genitalia, internal genital organs and their anatomical relations, musculature — blood- supply, nerves, lymphatic, pelvic cellular tissue, pelvic peritoneum.</p>	Lecture discussion Review with Charts and models	Short answers Objective type



Unit	Time (hrs)	Learning objectives	Content	Teaching learning activities	Assessment method
			Physiology of menstrual cycle Human sexuality Foetal development <ul style="list-style-type: none"> <li>○ Conception</li> <li>○ Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term — functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord,</li> <li>○ Foetal circulation, foetal skull, bones, sutures and measurements.</li> </ul> Review of Genetics		
III	8	Describe the diagnosis and management of women during antenatal period.	<b>Assessment and management of pregnancy (ante-natal)</b> Normal pregnancy 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> Diagnosis of pregnancy <ul style="list-style-type: none"> <li>○ Signs</li> <li>○ Differential diagnosis</li> <li>○ Confirmatory tests</li> </ul> Ante-natal care <ul style="list-style-type: none"> <li>○ Objectives</li> <li>○ Assessment               <ul style="list-style-type: none"> <li>- History and physical examination</li> <li>- Antenatal Examination</li> <li>- Signs of previous child-birth</li> </ul> </li> <li>○ Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position</li> <li>○ Per vaginal examination. Screening and assessment for high risk; Risk approach</li> </ul>	Lecture discussion Demonstration Case discussion/presentation Health talk Practice session Counseling session Supervised Clinical practice	Short answers Objective type Assessment of skills with check list Assessment of patient management problems



Unit	Time (hrs)	Learning objectives	Content	Teaching learning activities	Assessment method
			<p>History and Physical Examination            Modalities of diagnosis; Invasive &amp; Non-Invasive, ultrasonic, Cardio-tocography, NST, CST Antenatal preparation</p> <ul style="list-style-type: none"> <li>- Antenatal counseling</li> <li>- Antenatal exercises</li> <li>-Diet</li> <li>- Substance abuse</li> <li>- Education for child-birth</li> <li>- Husband and families</li> <li>- Preparation for safe-confinement</li> <li>- Prevention from radiation</li> <li>    Psycho-social and cultural aspects of pregnancy</li> <li>- Adjustment to pregnancy</li> <li>- Unwed mother</li> <li>- Single parent</li> <li>- Teenage pregnancy</li> <li>- Sexual violence</li> <li>    Adoption</li> </ul>		
IV	12	<p>Describe the physiology and stages of labor.</p> <p>Describe the management of women during intra-natal period</p>	<p><b>Assessment and management of intra-natal period,</b></p> <p>    Physiology of labor, mechanism of labor</p> <p>    Management of labor.</p> <ul style="list-style-type: none"> <li>○ First stage</li> </ul> <p>-Signs and symptoms of onset of labor; normal and abnormal</p> <p>-Duration</p> <p>-Preparation of:</p> <ul style="list-style-type: none"> <li>○ Labour room</li> <li>○ Woman</li> </ul> <p>-Assessment and observation of women in labor; partograph- maternal and foetal monitoring</p> <p>-Active management of labor,</p> <p>-Induction of labor</p> <p>-Pain relief and comfort in labor</p> <p>    Second stage</p> <ul style="list-style-type: none"> <li>○ Signs and symptoms; normal and abnormal</li> <li>○ Duration</li> <li>○ Conduct of delivery; Principles and techniques</li> <li>○ Episiotomy (only if required)</li> </ul>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion/ presentation</p> <p>Simulated practice</p> <p>Supervised Clinical practice</p>	<p>Essay type Short answers Objective type Assessment of skills with check list</p> <p>Assessment of patient management problems</p>



Unit	Time (hrs)	Learning objectives	Content	Teaching learning activities	Assessment method
			<p>Receiving the new born</p> <ul style="list-style-type: none"> <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> </ul> <p>Third stage</p> <ul style="list-style-type: none"> <li>o Signs and symptoms; normal and abnormal</li> <li>o Duration</li> <li>o Method of placental expulsion</li> <li>o Management; Principles and techniques</li> <li>o Examination of the placenta</li> <li>o Examination of perineum</li> </ul> <p>Maintaining records and reports</p> <p>Fourth Stage</p>		
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> <p>Normal puerperium; Physiology, Duration</p> <p>Postnatal assessment and management</p> <ul style="list-style-type: none"> <li>o Promoting physical and emotional well-being</li> <li>o Lactation management</li> <li>o Immunization</li> </ul> <p>Family dynamics after child-birth, Family welfare services; methods, counseling</p> <p>Follow-up</p> <p>Records and reports</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Health talk</p> <p>Practice session</p> <p>Supervised Clinical practice</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 problems</p>
VI	6	Describe the assessment and management of normal neonate	<p><b>Assessment and management of normal neonates</b></p> <p>Normal Neonate;</p> <ul style="list-style-type: none"> <li>o Physiological adaptation,</li> <li>o Initial &amp; Daily assessment</li> <li>o Essential newborn care; Thermal control</li> <li>o Breast feeding, prevention of infections</li> </ul> <p>Immunization</p> <p>Minor disorders of newborn and its management</p> <p>Levels of Neonatal care (level I, II, &amp; III)</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised Clinical practice</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 problems</p>



			At primary, secondary and tertiary levels Maintenance of Reports and Records		
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> Indications, dosage, action, contraindication and side effects of drugs. Affect of drugs on pregnancy, labor and puerperium Nursing responsibilities in the administration of drugs in obstetrics _ Oxytocin, anti-hypertensive, diuretics, tocolytic agents, anti-convulsants Analgesics and anaesthetics in obstetrics Affects of maternal medication on fetus and neonate	Lecture discussion Drug book Drug presentation	Short answers and objective types





## NURSING RESEARCH AND STATISTICS

**Subject code: BNS-603**
**Credit: 4**
**Placement: Sixth Semester  
Practical-45 Hours**
**Time: Theory- 45 Hours**

**Course Description:** The course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics and to enable them to conduct/participate in need-based research studies in various settings. Further the students will be able to utilize the research findings to provide quality-nursing care.

UNIT	TIM E (HR S)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSM ENT METHOD
I	4	Describe the concept of research, terms, need and areas of research in nursing. Explain the steps of research process.	<b>Research and research process</b> Introduction and need for nursing research Definition of Research & nursing research Steps of scientific method Characteristics of good research Steps of Research process- overview	Lecture Discussion Narrate steps of research process followed from examples of published studies	Short answer Objective type
II	3	Identify and state the research problem and objectives	<b>Research Problem Question</b> Identification of problem area Problem statement Criteria of a good research problem. Writing objectives	Lecture Discussion Exercise on writing statement of problem and objectives	Short answer Objective type
III	3	Review the related literature	<b>Review of Literature</b> Location Sources On line search; CINHALL, COCHRANE etc Purposes Method of review	Lecture Discussion Exercise on reviewing one research report/ article for a selected research problem. Prepare annotated bibliography	Short answer Objective type
IV	4	Describe the research approaches and designs	<b>Research approaches anti designs:</b> Historical, survey and experimental Qualitative and Quantitative	Lecture Discussion Explain types of research approaches	Short answer Objective type



UNIT	TIM E (HR S)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSM ENT METHOD
			Designs	used from examples of published and unpublished research studies with rationale.	
V	8	Explain the sampling process Describe the methods of data collection	<b>Sampling and data collection:</b> Definition of Population, Sample, Sampling criteria, factors influencing sampling process, types of sampling techniques. Data- why, what, from whom, when and where to collect. Data collection methods and instruments: <ul style="list-style-type: none"> <li>○ Methods of data collection</li> <li>○ Questioning, interviewing</li> <li>○ Observations, record analysis and measurement</li> <li>○ Types of instruments</li> <li>○ Validity &amp; Reliability of the Instrument</li> <li>○ Pilot study</li> <li>○ Data collection procedure</li> </ul>	Lecture Discussion Reading assignment on examples of data collection tools. Preparation of sample data collection tool Conduct group research project	Short answer Objective type
VI	4	Analyze, Interpret and summarize the research data	<b>Analysis of data:</b> Compilation, Tabulation, classification, summarization, presentation, interpretation of data	Lecture Discussion Preparation of sample tables	Short answer Objective type
VII	15	Explain the use of statistics, scales of measurement and graphical presentation of data Describe the	<b>Introduction to statistics:</b> Definition, use of statistics, scales of measurement. Frequency distribution and graphical presentation of data Mean, Median, Mode, Standard deviation Normal Probability and tests of significance Co-efficient of correlation. Statistical packages and its	Lecture Discussion Practice on graphical presentations Practice on computation of measures of central tendency, variability &	Short answer Objective type



UNIT	TIM E (HR S)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSM ENT METHOD
		measures of central tendency and variability and methods of correlation	Application	correlation	
VIII	4	Communica te and utilize the research findings	<b>Communication and utilization of Research:</b> <ul style="list-style-type: none"> <li>○ Communication of research findings</li> <li>○ Verbal report</li> <li>○ Writing research report</li> <li>○ Writing scientific article/paper <ul style="list-style-type: none"> <li>- Critical review of published research</li> <li>- Utilization of research findings</li> </ul> </li> </ul>	Lecture, Discussion Read/Presentations of sample published / unpublished research report. Writing group research project	Short answer Objective type Oral presentation Assessment of group research Project

#### Recommended Books:

1. Polit – Nursing Research ,2007,LWW
2. Polit – Essentials of Nursing Research ,2009,LWW
3. Basvanthappa – Nursing Research, Jaypee Publications

#### Reference Books:

1. Kothari – Research Methodology,2007,Newage Publishers
2. Jagadeesh – Bio Medical Research, 2009, WoltersKluwer.
3. Macnee – Understanding Nursing Research,2007,LWW
4. Burns – Practice of Nursing Research ,2009,Elsevier
5. Plitcha – Statistics for Nursing & allied Health Sciences, Lippincott.
6. Munro – Statistical Method for Health care Research ,2006
7. Stubert – Qualitative Research in nursing , 2010, LWW.

**EASTERN HIMALAYAN STUDIES****Subject code: HUR-UG-F106****Credit: 4****Placement: Sixth Semester****Time: Theory – 60 hours**

<b>UNIT</b>	<b>TIME (HRS)</b>	<b>LEARNING OBJECTIVES</b>	<b>CONTENT</b>	<b>TEACHING LEARNING ACTIVITIES</b>	<b>ASSESSMENT METHOD</b>
I			<b>Geography and Environment of the Eastern Himalayas [Sikkim, Darjeeling, Bhutan, Arunachal Pradesh]</b> Delineation of the Eastern Himalaya as a region Physiography; Climate; Drainage; Biodiversity and overview of Natural Resources		
II			<b>Historical background</b> Brief History of Sikkim and Darjeeling Spatial relations (Trade and Religious linkages) of Sikkim with its Neighbours- Tibet, Bhutan and Nepal.		
III			<b>Society, Economy and Polity</b> Society and Culture in Sikkim; Economy and Livelihood in Sikkim with emphasis on Agriculture, Industry and Tourism; Social and Political dimensions of Sikkim and Darjeeling Himalaya		
IV			<b>Critical Environmental Issues</b> Development Bottlenecks: Potentials, Prospects and Implications with special reference to Hydro-resources, Communication and Industrial Development. Climate Change, Natural Hazards and Disaster Management, Degradation of Bio-Resources		



## **Semester VII**



**MIDWIFERY AND OBSTETRICAL NURSING-(Part-B)****Subject code: BN S-701****Credit: 4****Placement: Seventh Semester****Time: Theory – 44 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 woman during antenatal, natal and post-natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high-risk neonates and participate in family welfare programme

UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
VII	10	Describe the Identification and management of women with high risk pregnancy	<b>High-risk pregnancy - assessment &amp; management</b> <ul style="list-style-type: none"> <li>Screening and assessment               <ul style="list-style-type: none"> <li>○ Ultrasonics, cardio tomography,</li> </ul> </li> <li>NST, CST, non-invasive &amp; invasive,               <ul style="list-style-type: none"> <li>○ Newer modalities of diagnosis</li> </ul> </li> <li>High-risk approach</li> <li>Levels of care; primary, secondary and 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 haemorrhage.</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,</li> </ul> </li> <li>TORCH               <ul style="list-style-type: none"> <li>○ Gynaecological diseases complicating pregnancy</li> <li>○ Pregnancy induced hypertension &amp; diabetes, Toxemia of pregnancy, hydramnios,</li> <li>○ Rh incompatibility</li> </ul> </li> </ul>	Lecture discussion Demonstrate using video films, scan reports, partograph etc Case discussion/ presentation Health talk Practice session Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems



			<ul style="list-style-type: none"> <li>○ Mental disorders</li> </ul> <p>Adolescent pregnancy, Elderly primi and grand multipara Multiple pregnancy Abnormalities of placenta &amp; cord Intra-uterine growth-retardation Nursing management of mothers with high-risk pregnancy Maintenance of Records and Report</p>		
VIII	10	Describe management of abnormal labour.  And obstetrical emergencies	<p><b>Abnormal Labour - assessment and management</b></p> <p>Disorders in labour</p> <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> <p>Obstetrical emergencies and their management;</p> <ul style="list-style-type: none"> <li>○ Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock</li> </ul> <p>Obstetrical procedures and operations;</p> <ul style="list-style-type: none"> <li>○ Induction of labour, forceps, vacuum version, manual removal of placenta, cesarean section, destructive operations</li> </ul> <p>Nursing management of women undergoing Obstetrical operations and procedures</p>	Lecture discussion Demonstration Case discussion/presentation Practice session Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems
IX	4	Describe management of post-natal complications	<p><b>Abnormalities during Postnatal Periods</b></p> <p>Assessment and management of woman with postnatal complications</p> <ul style="list-style-type: none"> <li>○ Puerperal infections, breast engorgement &amp; infections, thrombo-Embolic disorders, post- partum haemorrhage, Eclampsia and sub-involution,</li> <li>○ Psychological</li> </ul>	Lecture discussion Demonstration Case discussion/presentation Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems





			<p>complications:</p> <ul style="list-style-type: none"> <li>- Post-partum Blues</li> <li>- Post-partum Depression</li> <li>o - Post-partum Psychosis</li> </ul>		
X	10	<p>Identify the high-risk neonates and their nursing management</p>	<p><b>Assessment and management of High risk newborn</b></p> <p>Admission of neonates in the neonatal intensive care units- protocols</p> <p>Nursing management of:</p> <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> <p>Monitoring of high risk neonates</p> <p>Feeding of high risk neonates</p> <p>Organization and management of neonatal intensive care units</p> <p>Infection control in neonatal intensive care units</p> <p>Maintenance of reports and records</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion/ presentation</p> <p>Supervised Clinical practice</p>	<p>Essay type Short answers Objective type Assessment of skills with check list</p> <p>Assessment of patient management problems</p>
XII	10	<p>Appreciate the importance of family welfare programme</p> <p>Describe the methods of contraception and role of nurse in family welfare programme</p>	<p><b>Family Welfare Programme</b></p> <p>Population trends and problems in India</p> <p>Concepts, aims, importance and history of family welfare programme</p> <p>National Population: dynamics, policy and education</p> <p>National family welfare programme; RCH, ICDS, MCH. Safe motherhood</p> <p>Organization and administration; at national, state, district, block and village levels</p> <p>Methods of contraception; spacing, temporary and</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised practice</p> <p>Group project</p> <p>Counseling session</p> <p>Field visit</p>	<p>Essay type Short answers Objective type Assessment of skills with check list, project and field visits reports</p>



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
			permanent, Emergency contraception Infertility and its management Counseling for family welfare Latest research in contraception Maintenance of vital statistics Role of national, international and voluntary organizations Role of a nurse in family welfare programme Training / Supervision / Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant – Dai)		

**Recommended Books:**

- 1.) Myle's Textbook for Midwives, 2008, Elsevier
- 2.) Reeder & Martin – Maternity Nursing, Lippincott

**Reference Books:**

1. Orshan – Maternity Nursing ,2009,LWW
2. Ricci – Essentials of maternity nursing, 2009, Lippincotts
3. William's Obstetrics,2009,Mcgrahill
4. Mudaliar – Clinical Obstetrics, Orient Black swan.
5. Berek - Novak's Gynecology,2008,LWW
6. Lowdermilk – Maternity Nursing,2008,Elsevier
7. Dutta – Obstetrics ,NCBA
8. Seshadri – Essentials of Gynaecology,2010,WK

**MIDWIFERY AND OBSTETRICAL NURSING- Practical****Subject code: BNSL-701****Placement: Seventh Semester****Credit: 4****Time: Practical -180 hours****Internship- 240hours**

Area s	Dura tion (in wks)	Objectives of posting	Skills	Assignments	Assessment methods
Ante natal clinic/OP D	2	Assessment of pregnant women	Antenatal history taking Physical examination Recording of Weight & B.P Hb& Urine testing for sugar and albumin Antenatal examination- abdomen and breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of Antenatal records	<b>*Conduct Antenatal Examinations 30</b> Health talk - 1 Case book recordings	Verification of findings of Antenatal examinations Completion of casebook recordings
Labour room O.T.	4	Assess woman in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy and suture it Resuscitate newborns Assist with Cesarean Sections, MTP and other surgical procedure	Assessment of Woman in labour Per vaginal examinations and interpretation Monitoring and caring of woman in labour Maintenance of partograph Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns Assessment of risk status of newborn Episiotomy and suturing Maintenance of labour and birth records Arrange for and assist with Cesarean section and care for woman & baby during Cesarean Arrange for and assist with MTP and other Surgical procedures	<b>*Conduct normal deliveries - 20</b> <b>*Per vaginal examinations -5</b> <b>*Perform and Suture the episiotomies - 5</b> <b>*Resuscitate newborns - 5</b> <b>*Assist with Caesarean Sections - 2</b> <b>*Witness abnormal deliveries - 5</b> Assist with MTP and other surgical procedures- 1 Case book recordings	Assessment of clinical performance with rating scale Assessment of each skill with checklists Completion of Case book recordings



Area s	Dura tion (in wks)	Objectives of posting	Skills	Assignments	Assessment methods
Post-natal ward	4	Provide nursing care to post-natal mother and baby Counsel and teach mother and family for parent hood	Examination and assessment of mother and Baby Identification of deviations Care of postnatal mother and baby Perineal care Lactation. management Breast feeding Baby bath Immunization, 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>	*Give care to Post-natal mothers - 20 Health talks-I Case study Case presentation - I Case book recordings	Assessment of clinical performance Assessment of each skill with checklists Completion of Case book recording Evaluation of case study and presentation and health education sessions
New born nursery	2	Provide nursing care to newborn at risk	Newborn assessment Admission of neonates Feeding of at risk neonates <ul style="list-style-type: none"> <li>○ Katori spoon, paladi, tube feeding, total parenteral nutrition</li> </ul> Thermal management of neonates-kangaroo mother care, care of baby in incubator Monitoring and care of neonates Administering medications Intravenous therapy Assisting with diagnostic procedure Assisting with exchange transfusion Care of baby on ventilator Phototherapy Infection control protocols in the nursery Teaching and counseling of	Case study-1 Observation Study – I	Assessment of clinical performance Assessment of each skill with checklists Evaluation of and observation study



			parents Maintenance of neonatal records		
Family planning clinic	Rotation from post-natal ward 1 wk	Counsel for and provide family welfare services	Counseling technique Insertion of IUD Teaching on use of family planning methods Arrange for and Assist with family planning operations Maintenance of records and reports	IUD insertion-5 Observation Study-1 Counseling- 2 Simulation exercise on recording and reporting - 1	Assessment of each skill with checklists Evaluation of and observation study

**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 Cesarean 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

**Internship****Duration – 5 weeks**

<b>Areas</b>	<b>Duration (in wks)</b>	<b>Objective</b>	<b>Skills</b>	<b>Assignment</b>	<b>Assessment methods</b>
Labour room	2	Provide comprehensive care to mothers and neonates	Integrated practice	Completion of other essential requirements Case book recording	Assess clinical performance with rating scale Completion of case book recordings
Neonatal intensive care unit/NICU	1				
Antenatal	2				

**Recommended Books:**

- 1.) Myle's Textbook for Midwives, 2008, Elsevier
- 2.) Reeder & Martin – Maternity Nursing, Lippincott

**Reference Books:**

1. Orshan – Maternity Nursing ,2009,LWW
2. Ricci – Essentials of maternity nursing, 2009, Lippincotts
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5. Berek - Novak's Gynecology,2008,LWW
6. Lowdermilk – Maternity Nursing,2008,Elsevier
7. Dutta – Obstetrics ,NCBA
8. Seshadri – Essentials of Gynaecology,2010,WK



## COMMUNITY HEALTH NURSING- II

**Subject code:** BNS-702

**Credit:** 4

**Placement:** Seventh Semester

**Time:** Theory – 120 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.

UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
I	4	Define concepts, scope, principles and historical development of Community Health and community health Nursing	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>• Definition, concept &amp; scope of Community Health and Community Health Nursing</li> <li>• Historical development of Community health</li> <li>• Community health Nursing:               <ul style="list-style-type: none"> <li>- Pre-independence</li> <li>- Post-independence</li> </ul> </li> </ul>	Lecture Discussion	Essay type Short answers
II	6	Describe health plans, policies, various health committees and health problems in India	<p><b>Health planning and policies and problems</b></p> <ul style="list-style-type: none"> <li>• National health planning in India- Five Year Plans</li> <li>• Various committees and commissions on health and family welfare               <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> </ul> </li> <li>• Health problems in India</li> </ul>	Lecture Discussion Panel discussion	Essay type Short answers



UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
III	30	<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><b>Delivery of community health services:</b></p> <ul style="list-style-type: none"> <li>• Planning, budgeting and material management of SCs, PHC and, CHC</li> <li>• Rural: Organization, staffing and functions of rural health services provided by government at:               <ul style="list-style-type: none"> <li>○ Village</li> <li>○ Sub centre</li> </ul> </li> </ul> <p><b>Drug dispensing:</b></p> <ul style="list-style-type: none"> <li>• Drug prescription,</li> <li>• Drug dispensing</li> <li>• ,Administration of medications (Oral and Injections),</li> <li>• Handling and disposal of injection related wastes</li> </ul> <p><b>Ayushman Bharat,</b></p> <ul style="list-style-type: none"> <li>• CPHC- Concept. Key elements</li> </ul> <p><b>Standard treatment protocols at PHSC</b></p> <p><b>Upgradation of SC-HWC;</b></p> <p><b>Concept of CPHC- CPHC Guideline; PMJAY</b></p> <p><b>Care by CHO as per service delivery framework of CPHC guidelines</b></p> <p><b>MCTS:</b></p> <p><b>ANMOL/RCH portal and its implications in improving MCH</b></p> <p><b>Organization of Labour room:</b></p> <p><b>Standardization of Labour Room at Delivery Points</b></p> <p><b>Safe childbirth checklist:</b></p> <p><b>concept and use of SCC</b></p> <p><b>Postpartum visit by Health worker:</b></p>	<p>Lecture Discussion</p> <p>Visits to various health delivery systems Supervised field</p> <p>Practice Panel discussion</p>	<p>Essay type Short answers</p>





		<p>Explain the components of health services</p> <p>Describe alternative systems of health promotion and health maintenance.</p> <p>Describe the chain of referral system</p>	<p><b>Importance and operational aspects of home visits during post-partum period</b></p> <ul style="list-style-type: none"> <li>• Primary health centre</li> <li>• Community health centre / sub-divisional Hospital</li> <li>• District</li> <li>• State</li> <li>• Centre</li> </ul> <p>Urban: Organization, staffing and functions of urban health services provided by government 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 :             <ul style="list-style-type: none"> <li>○ Corporation/</li> <li>○ Municipality /</li> <li>○ Board</li> </ul> </li> <li>• Components of health services             <ul style="list-style-type: none"> <li>○ Environmental sanitation</li> <li>○ Health education</li> <li>○ Vital statistics</li> <li>○ M.C.H.-antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption 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> </li> <li>• Systems of medicine and health care             <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> </li> <li>• Referral system</li> </ul>			
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UNIT	TIME (HRS)	LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
IV	32	<p>Describe Community health Nursing approaches and concepts</p> <p>Describe the roles and responsibilities 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 &amp; 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> <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:</p> <ul style="list-style-type: none"> <li>• Concept, Principles, Process,</li> </ul> <p>Techniques: Bag technique</p> <p>Qualities of Community Health Nurse</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised field practice</p> <p>Participation in camps</p> <p>Group Project</p>	<p>Essay type</p> <p>Short answers</p>



			<p>Job Description of Community health nursing personnel</p> <p><b>Social mobilization skills:</b></p> <ul style="list-style-type: none"> <li>• Understand the concept and benefits Social Mobilization</li> <li>• Role of Health Worker in Social Mobilization</li> </ul> <p><b>Programme management including Monitoring &amp; Supervision</b></p> <ul style="list-style-type: none"> <li>• SC-HWC as a program and its impact on community health.</li> <li>• CHO's role as manager.</li> <li>• Concepts of Leadership, Supervision, Monitoring and De-stressing</li> </ul> <p><b>BCC and soft skills:</b></p> <ul style="list-style-type: none"> <li>• Basics of Communication,</li> <li>• health belief model,</li> <li>• behaviour change and problem solving</li> </ul>		
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> <ul style="list-style-type: none"> <li>• Empowerment for self-care of individuals, families and groups in –</li> </ul> <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 checkups</li> <li>• Immunization</li> <li>• Counseling</li> <li>• Diagnosis</li> <li>• Treatment</li> <li>• Follow up</li> </ul> <p><b>C. Maintenance of health</b></p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised field practice</p> <p>Individual group/family /community health education</p>	<p>Essay type</p> <p>Short answers</p>



			<ul style="list-style-type: none"> <li>Records for self and family</li> </ul> <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> <ul style="list-style-type: none"> <li>Collection and dispose of waste at home and community</li> </ul> <p><b>G. Sensitize and handle social issues affecting health and development for self and family:</b></p> <ul style="list-style-type: none"> <li>Women Empowerment</li> <li>Women and child abuse</li> <li>Abuse of elders</li> <li>Female Foeticide</li> <li>Commercial sex workers</li> <li>Food adulteration</li> <li>Substance abuse</li> </ul> <p><b>H. Utilize community resources for self and family:</b></p> <ul style="list-style-type: none"> <li>Trauma services</li> <li>Old age homes</li> <li>Orphanages</li> <li>Homes for physically and mentally challenged individuals</li> <li>Homes for destitute</li> </ul>		
VI	28	<p>Describe National Health and Family Welfare Programmes and Role of Nurse</p> <p>Describe the various health schemes in India</p>	<p><b>National Health &amp; Family Welfare Programmes and the Role of Nurse:</b></p> <ul style="list-style-type: none"> <li>National ARI Programme</li> <li>Revised National Tuberculosis Control Programme (RNTCP)</li> <li>National Anti-Malarial Programme</li> <li>National Filaria control Programme</li> <li>National Guinea worm eradication Programme</li> <li>National Leprosy Eradication Programme</li> <li>National AIDS Control Programme</li> <li>STD Control Programme</li> <li>National Programme for Control of Blindness</li> <li>Iodine Deficiency Disorder</li> </ul>	<p>Lecture, Discussions Participation in National Health Programmes Field Visits</p>	<p>Essay type Short answers</p>



			<p>Programme</p> <ul style="list-style-type: none"> <li>Expanded Programme on Immunization</li> </ul> <p>National Family Welfare Programme –</p> <ul style="list-style-type: none"> <li>RCH Programme: Historical Development, Organization, Administration, Research, Constraints</li> <li>National Water Supply &amp; Sanitation Programme</li> <li>Minimum need programme</li> <li>National Diabetics Control Programme</li> <li>Polio Eradication: Pulse Polio Programme</li> <li>National Cancer Control Programme</li> <li>Yaws eradication programme</li> <li>National Nutritional Anaemia Prophylaxis Programme</li> <li>20 Point Programme</li> <li>ICDS Programme</li> <li>Mid-day Meal applied nutritional Programme</li> <li>National Mental Health Programme</li> </ul> <p>Health Schemes:</p> <ul style="list-style-type: none"> <li>ESI</li> <li>CGHS</li> <li>Health Insurance</li> </ul> <p><b>New national health programmes includes updates in the below mentioned programmes:</b></p> <ul style="list-style-type: none"> <li><b>Dakhshata</b></li> <li><b>SUMAN- Surakshit Matritva Aashwasan</b></li> <li><b>National iron plus initiative guideline</b></li> <li><b>Vitamin A supplementation</b></li> <li><b>Iron supplementation</b></li> <li><b>Albendazole and calcium supplementation to pregnant women</b></li> <li><b>RBSK: the recent updates and programmatic components</b></li> <li><b>RMNCH +A( Reproductive , maternal, Newborn, Child, Adolescent Health plus Nutrition)</b></li> <li><b>PMSMA- Pradhan Mantri Surakshit Matritva Abhiyan</b></li> </ul>		
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			<ul style="list-style-type: none"> <li>• <b>NOHP-National Oral Health Program</b></li> <li>• <b>NTEP- National Tuberculosis Elimination Program</b></li> <li>• <b>NPCBVI- National program for control of blindness and visual impairment.</b></li> <li>• <b>NPHCE- National Program for Health Care of Elderly</b></li> <li>• <b>NPPCD- National Program For prevention and Control of Deafness</b></li> <li>• <b>NTCP- National Tobacco Control Program</b></li> </ul> <p><b>Roles and responsibilities of MLHP/CHO:</b></p> <ul style="list-style-type: none"> <li>• <b>Roles and responsibilities to be carried out by CHO during their posting at the health and wellness centres/ sub-centres in the community.</b></li> </ul>		
VII	5	Explain the roles and functions of various national and international Health agencies	<p><b>Health Agencies</b></p> <ul style="list-style-type: none"> <li>• International: <ul style="list-style-type: none"> <li>○ WHO,</li> <li>○ UNFPA,</li> <li>○ UNDP,</li> <li>○ World Bank,</li> <li>○ FAO,</li> <li>○ UNICEF,</li> <li>○ DANIDA,</li> <li>○ European Commission (EC),</li> <li>○ Red cross,</li> <li>○ USAID,</li> <li>○ UNESCO,</li> <li>○ Colombo Plan,</li> <li>○ ILO,</li> <li>○ CARE etc.</li> </ul> </li> <li>• National: <ul style="list-style-type: none"> <li>○ Indian Red Cross, Indian Council for child welfare,</li> <li>○ Family Planning Association of India (FPAI),</li> <li>○ Tuberculosis Association, India,</li> <li>○ Hindu Kusht Nivaran Sangh,</li> <li>○ Central Social Welfare Board,</li> <li>○ All India women's conference,</li> </ul> </li> </ul>	Lecture Discussion  Field visits	Essay type Short answers



			<ul style="list-style-type: none"><li>○ Blind Association of India etc</li></ul>		
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**Recommended Books**

1. Park – Social and Preventive Medicine ,Bannott Publishers

**Reference Books**

1. Allender – Community Health Nursing,2009,LWW
2. Stanhope – Community Health Nursing,2008,Elsevier
3. Anderson – Community as Partner,2009,LWW
4. Deim – Community Health Projects,2006,Lippincott



## COMMUNITY HEALTH NURSING- II- PRACTICAL

Subject Code: BNSL-702

Credit: 4

Placement: Seventh Semester

Practical – 155 hours  
Internship- 195 hours

Areas	Duration (in wks)	Objectives of posting	Skills	Assignments	Assessment methods
Community health nursing	1 week for urban  4 weeks 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</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 clinics-antenatal, post-natal, 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>○ Illnesses: Physical and mental</li> <li>○ Disabilities</li> </ul> </li> <li>• Conduct delivery at centre/home: episiotomy and</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> <li>• Visit to a food processing unit/ factory</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Evaluation of community survey report,</li> <li>• family care study,</li> <li>• project and health talk</li> <li>• Completion of activity record.</li> <li>• Completion of case book recording</li> </ul>





		<p>self-help and involve clients in their own health activities</p> <ul style="list-style-type: none"> <li>• Provide family welfare services</li> <li>• Counsel and educate individual, family and community</li> <li>• Collect Vital health statistics</li> <li>• Maintain Records &amp; Reports</li> </ul>	<p>suturing</p> <ul style="list-style-type: none"> <li>• Resuscitate newborn</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> <li>• Train and Supervise health workers</li> <li>• Provide family welfare services:</li> <li>• Organising family planning clinics,</li> <li>• Counselling using GATHER Approach</li> <li>• Interval IUCD &amp; PPIUCD insertion</li> <li>• Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly health, physically and mentally challenged individuals etc.</li> <li>• Collect and Calculate Vital</li> </ul>		
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			<p>health statistics</p> <ul style="list-style-type: none"><li>• Document and maintain:<ul style="list-style-type: none"><li>○ Individual, family and administrative records.</li><li>○ Write reports- centre, disease, national health programme/ projects</li></ul></li><li>• Visit to SC-HWC during the internship Understand functionalities of SC-HWC</li><li>• Diagnostics at SC-HWC</li><li>• Performing the school health assessment of the primary school children for visual impairment, hearing deficits etc</li><li>• Participating in a community health camp</li><li>• understanding the standing operations to be followed in HWC for the treatment of minor ailments</li><li>• Hands-on experience on ANMOL tablet during visit to SC</li><li>• skill demonstration/orie</li></ul>		
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			<p>ntation in skill lab or during Labor room visits</p> <ul style="list-style-type: none"> <li>• Post-partum visits as per SBA, HBNC/HBYC guidelines during internship</li> </ul>		
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**Internship - 195 hours**

Area	Duration	Objectives	Skills	Assessment
Community Health Nursing	Urban – 4 weeks	<ul style="list-style-type: none"> <li>• Provide comprehensive care to individual, family and community</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated practice and group project 1 in each rural and urban</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Evaluation of project</li> </ul>

**Note:** During the rural posting they should stay in health centre under the supervision of teachers



**MANAGEMENT OF NURSING SERVICE AND EDUCATION**

**Subject code: BNS-703**

**Credit: 4**

**Placement:** Seventh Semester

**Time: Theory- 90 Hours**

**Course Description:** This course is designed to enable students to acquire in-depth understanding of management of hospital services, management of nursing services and 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 Nursing profession.

UNIT	TIME (HRS)		LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
	Th	Pr				
I	4		Explain the Principles and functions of management	<b>Introduction to Management in Nursing</b> History, Definition, concepts and theories Functions of management Principles of management Role of nurse as a manager and her qualities	Lecture, Discussion Explain using organization chart	Short answers
II	5		Describe elements and process of management	<b>Management Process</b> Planning, mission, philosophy, objectives, operational plan Staffing: Philosophy, staffing study, norms, activities, patient classification system, scheduling Human resource management, recruiting, selecting, deployment, retaining, promoting, superannuation. Budgeting: Concept, principles, types, cost benefit analysis audit Material management: equipment and supplies • Directing process (Leading) Controlling: Quality management Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart)	Lecture, Discussion Simulated Exercises Case studies	Essay type Short answers



UNIT	TIME (HRS)		LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
	Th	Pr				
III	8	20	Describe the management of nursing services in the hospital and community	<p><b>Management of nursing services in the hospital</b></p> <ul style="list-style-type: none"> <li>• Planning               <ul style="list-style-type: none"> <li>Hospital &amp; 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</li> <li>Categories of nursing personnel including job description of all levels</li> <li>Patients/ population classification system</li> <li>Patients/ population assignment and nursing care responsibilities</li> <li>Staff development and welfare programmes</li> </ul> </li> <li>• Budgeting: Proposal, projecting requirements for staff, equipment 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 &amp; 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, Discussion</li> <li>•Demonstration Case studies</li> <li>•Supervised practice in ward writing indents, preparing rotation plan and duty roaster, ward supervision</li> <li>•Assignment on duties and responsibilities of ward sister</li> <li>•Writing report</li> <li>•Preparing diet sheets</li> </ul>	<ul style="list-style-type: none"> <li>•Essay type</li> <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>



UNIT	TIME (HRS)		LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
	Th	Pr				
				Implement standards, policies, procedures and practices Staff development & welfare Maintenance of discipline <ul style="list-style-type: none"> <li>Controlling/ Evaluation                Nursing rounds/ visits,                Nursing protocols,                Manuals                Quality assurance model, documentation                Records and reports                Performance appraisal</li> </ul>		
IV	5		Describe the concepts, theories and techniques of organizational behavior and human relations	<b>Organizational behavior and human relations</b> <ul style="list-style-type: none"> <li>Concepts and theories of organizational behaviors</li> <li>Review of channels of communication Leadership styles, Power, types</li> <li>Review of motivation: concepts and theories</li> <li>Group dynamics</li> <li>Techniques of:                Communication and Interpersonal relationships                Human relations</li> <li>Public relations in context of nursing</li> <li>Relations with professional associations and employee union and Collective bargaining</li> </ul>	<ul style="list-style-type: none"> <li>Lecture, Discussion</li> <li>Role plays</li> <li>Group games</li> <li>Self-assessment</li> <li>Case discussion</li> <li>Practice session</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Assessment of problem solving</li> </ul>
V	5	5	Participate in planning and organizing in-service education program	<b>In-service education</b> <ul style="list-style-type: none"> <li>Nature &amp; scope of in-service education program</li> <li>Organization of in-service education</li> <li>Principles of adult learning</li> <li>Planning for in-service education program, techniques, methods, and evaluation of staff education program</li> <li>Preparation of report</li> </ul>	<ul style="list-style-type: none"> <li>Lecture, Discussion</li> <li>Plan and conduct an educational session for in-service nursing personnel</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Assess the planning and conduct of educational session</li> </ul>



UNIT	TIME (HRS)		LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
	Th	Pr				
VI	10		Describe management of Nursing educational institutions	<p><b>Management of Nursing educational institutions</b></p> <ul style="list-style-type: none"> <li>• Establishment of nursing educational institution – INC norms and guidelines</li> <li>• Co-ordination with Regulatory bodies Accreditation Affiliation– Philosophy/ Objectives, Organization Structure Committees Physical facilities College / School Hostel – Students Selection Admission procedures Guidance and counseling Maintaining discipline- Faculty and staff Selection Recruitment Job description Placement Performance appraisal Development and welfare</li> <li>• Budgeting</li> <li>• Equipments and supplies: audio-visual equipments, laboratory equipments, books, journals etc.</li> <li>• Curriculum: Planning, Implementation and Evaluation</li> <li>• Clinical facilities</li> <li>• Transport facilities</li> <li>• Institutional Records, and reports – Administrative, Faculty, Staff and Students.</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture, Discussion</li> <li>• Role plays</li> <li>•Counseling session</li> <li>•Group exercise</li> </ul>	<ul style="list-style-type: none"> <li>•Essay type</li> <li>•Short answers</li> </ul>
VII	10		1. Describe the ethical and legal responsibilities of a	<p><b>Nursing as a Profession</b></p> <ul style="list-style-type: none"> <li>• Nursing as a Profession Philosophy; nursing practice Aims and Objectives Characteristics of a</li> </ul>	<ul style="list-style-type: none"> <li>•Lecture, Discussion</li> <li>•Case discussion</li> <li>• Panel</li> </ul>	<ul style="list-style-type: none"> <li>•Short answers</li> <li>•Assessment of critical incidents</li> </ul>



UNIT	TIME (HRS)		LEARNING OBJECTIVES	CONTENT	TEACHING LEARNING ACTIVITIES	ASSESSMENT METHOD
	Th	Pr				
			professional nurse 2. Explain the Nursing practice standards	professional nurse Regulatory bodies; INC, SNC Acts: - Constitution, functions Current trends and issues in Nursing • Professional ethics Code of ethics; INC, ICN Code of professional conduct; INC, ICN. • Practice standards for nursing; INC • Consumer Protection Act • Legal aspects in Nursing Legal terms related to practice; Registration and licensing Legal terms related to Nursing practice; Breach and penalties Malpractice and Negligence	discussion • Role plays • Critical incidents • Visit to INC/ SNRCs	
VI	3		Explain various opportunities for professional advancement	Professional Advancement • Continuing education • Career opportunities • Collective bargaining • Membership with Professional Organizations; National and International • Participation in research activities • Publications; Journals, Newspaper etc.	• Lecture Discussion Review/ Presentation of published articles • Group work on maintenance of bulletin board	• Short answers

**Recommended Books:**

- 1.) Barrett – Ward Management and Teaching, 1995, Konark Publishing.
- 2.) Marquis – Leadership Roles & Management Functions in Nursing, 2008, LWW
- 3.) Basavanthappa – Nursing Administration, 2009, Jaypee.

**Reference Books:**

- 1) Huber – Nursing Management & Leadership ,2008,Elsevier
- 2) Marriner – Guide to Nursing management ,2008,Elsevier
- 3) Powell – Case Management,2009,LWW
- 4) Ellis – Managing and coordinating Nursing,2009,WK



