



MAHATMA GANDHI UNIVERSITY
of
MEDICAL SCIENCES & TECHNOLOGY
SITAPURA, JAIPUR



MGUMST
BASIC B.S.C. NURSING
(4 Year degree Course
including Internship)

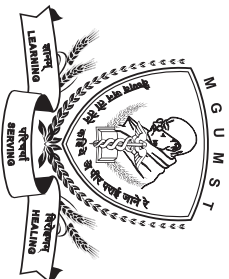
Basic B.Sc. Nursing | SYLLABUS



MAHATMA GANDHI UNIVERSITY
of
MEDICAL SCIENCES & TECHNOLOGY
SITAPURA, JAIPUR

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Sponsoring Body : India Education Trust

Price : ` 000.00



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of
MEDICAL SCIENCES & TECHNOLOGY
JAIPUR

Syllabus
BASIC B.Sc. NURSING
(4 Year degree Course
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Basic B.Sc. Nursing

NOTICE

1. Amendments made by the Statutory Regulating Council i.e. Nursing Council of India in Rules/Regulations of Graduate Nursing Courses shall automatically apply to the Rules/Regulations of the Mahatma Gandhi University of Medical Sciences & Technology.
2. The University reserves the right to make changes in the syllabus/books/ guidelines, fee—structure or any other information at any time without prior notice. The decision of the University shall be binding on all.
3. The Jurisdiction of all court cases shall be Jaipur Bench of Hon'ble Rajasthan High Court only.

PHILOSOPHY

According to “World Health Organization” (WHO), health is a state of complete physical, mental, social and spiritual wellbeing and not merely absence of disease or infirmity.

Health is a right of an individual to lead a productive life. Nurse can contribute a lot to maintain the health of an individual, family & community at large, i.e. at the bed side of the patient, in the hospital & at periphery too, being one of the health professional of Health Team.

Nurse needs to be vigilant to identify the health needs of an individual or family in question, to plan and to collaborate with other health professionals & community too i.e. to overcome the problem for the benefit of the individual, the family & the society.

Practice of nursing is based upon application & transfer of knowledge & scientific principles derived from Biological & behavioral sciences. Nurse needs to have compassion and understanding to human behavior to impart care to the individual & family with respect and dignity. Along with all this, nurse must have critical thinking, skills, competency & desired standard to practice.

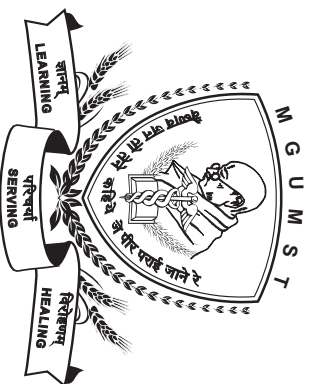
Nurse teacher has to be a role model to make learning conducive for the student nurse to learn, to develop an attitude to create learning environment for their own learning and learning for the people.

Nursing education prepares its graduates to set an example to be a good citizen & nurse professionals by adhering and exhibiting code of ethics and professional conduct at all the times in achieving personal, social and professional obligation to the society.

AIM:

The aim of the undergraduate nursing program is to:

- (1) Prepare graduates to assume responsibilities as professionals - competent nurses and midwives to provide promotive, preventive, curative and rehabilitative services.



- (2) Prepare nurses who can make independent decisions in nursing situations, protect the rights of and facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services, and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor and manager in a clinical/public health set up.

OBJECTIVES:

On completion of the four years B.Sc. Nursing program, the graduate will be able to:

- (1) Apply knowledge from physical, biological and behavioral sciences, medicine including alternative systems and nursing in providing nursing care to individuals, families and communities.
- (2) Demonstrate understanding of life style and other factors, which affect health of individuals and groups.
- (3) Provide nursing care based on steps of nursing process in collaboration with the individuals and groups.
- (4) Demonstrate critical thinking skills in making decision in all situations in order to provide quality care.
- (5) Utilize the latest trends and technology in providing health care.
- (6) Provide promotive, preventive and restorative health services in line with the national health policies and programmes.
- (7) Practice within the acceptable standards of practice as per the legal boundaries.
- (8) Communicate effectively with individuals and groups, and members of the health team in order to promote effective interpersonal relationship and teamwork.
- (9) Demonstrate skills in teaching to individuals and groups in clinical/community health set up.
- (10) Participate effectively as members of the health team in health care delivery system.

- (11) Demonstrate leadership and managerial skills in clinical/community health set up.

- (12) Conduct need based research studies in various set up and utilize the research findings to improve the quality care.

- (13) Demonstrate awareness, interest, and contribute towards advancement of self and of the profession.



RULES & REGULATIONS OF BASIC B.SC. NURSING (Four Years Course Including Internship)

GENERAL RULES:

The course of study for B.Sc. Nursing in Part-I shall be opened to both male and female candidates. The percentage of female candidates shall not fall below 50% of the total seats in all categories.

- (2) The Course of study leading to the B.Sc. Nursing Degree shall consist of four academic year incl. Internship i.e. Part-I, Part-II, Part-III and Part-IV.
- (3) Candidates must have completed the age of seventeen (17) years but not completed twenty eight (28) years in case of female and twenty five (25) years in case of male on or before thirty first (31) December of the year of admission.
- (4) Candidates must have passed the Senior Secondary School Certificate examination conducted by a statutory board at the end of 12 years study under 10+2 pattern of the Secondary Education in all the compulsory subjects and the optional subjects of the Science group (Physics, Chemistry and Biology) or any other examination recognized by the state Universities in Rajasthan as equivalent to above stated qualification on the last date of submission of application form with a minimum of fifty (50) % marks and forty five (45)% for natural born scheduled caste and scheduled tribe candidates in aggregate of English, Physics, Chemistry and biology taken together at the qualifying examination.
- (5) Selection of the candidates shall be based on the merit calculated on the basis of total marks obtained in the above stated recognized qualifying examination in the subjects English, physics, chemistry and biology only.
- (6) State Government may constitute a selection committee including a university and state nursing council. Condition of entrance examination is not mandatory as per Indian Nursing Council regulation. Admission may also be made through state government approved Federation.
- (7) 15% of the total seats will be filled up by the candidates on all India basis inclusive of Rajasthan and 16%, 12% & 21%, 1% of 15% be reserved for SC, ST, OBC and SBC respectively. The percentage of

female candidates in general and reserve category should be as required as under ordinance.

- (8) 85% of the total seats will be filled up by the Bonafide candidates of Rajasthan. The candidates must have studied for the last three years of the qualifying examination continuously as regular candidates in recognized institution in Rajasthan.
Or

Natural Father/Mother of the candidates has continuously resided in Rajasthan for period of last 10 years and candidate has studied for at least 5 years in a recognized education institution in Rajasthan.

Or

The candidate is Son/Daughter of a serving of retired employee of (a) Government of Rajasthan including Officer of all India Service born on the state cadre of Rajasthan. (b) U n d e r t a k i n g /corporation/Improvement Trust/Municipal board/ Panchayat Samities/ Co-operative bodies duly constituted by Govt. of Rajasthan by an act of law and (c) any of the U n i v e r s i t y i n Rajasthan or Secondary Board of Education (Rajasthan) provided that employee has put in at least three years of service in the above bodies on the last date of or submission of application in the office for admission.

Or

Candidates is a Son/Daughter of permanent employee of Indian defense service and the employee is either of Rajasthan origin irrespective of his place of posting at the time of last date of the application for admission. Defense personnel shall submit a certificate from his employer to the effect that his state of origin is Rajasthan at the time of his entry into service.

- (9) Reservation in seat allotment shall be as per the prevailing reservation policy of the Government.
- (10) Candidate shall be medically fit.
- (11) Curricula of self learning module in the area of biomedical waste management for nurses and paramedical has been developed by the environment protection training and research institute and reviewed by the DGHS, MOHFW. On recommendation of Rayasabha committee, a module is to be included in the nursing curricula of B.sc (Nursing) programme by teachers. The detailed curriculum of biomedical waste management is placed on the Indian nursing council website.

- (12) Environmental studies topics are incorporated in syllabus as prescribed by Indian Nursing Council.
- (13) There shall be one regular annual examinations and a Supplementary examination a year.
- (14) A candidate who has completed the regular course of studied for one academic year shall be eligible for B.Sc. Nursing part-I examination.
- (15) A candidate who has passed B.Sc. Nursing Part – I examination will be promoted to B.Sc. Nursing part- II course and after completion of regular course of studies for one academic year shall be eligible for B.Sc. Nursing Part – II examination.
- (16) A candidate who has passed B.sc Nursing Part – II examination will be promoted to B.sc Nursing Part – III course and after completion of regular course of study for one academic year shall be eligible for B.sc Nursing Part – III examination.
- (17) A candidate who has passed B.sc Nursing Part – III examination will be promoted to B.sc Nursing Part – IV course and after completion of regular course of studies for one academic year shall be eligible for B.sc Nursing Part – IV examination.
- (18) A candidate who failed in one or more subject in B.sc Nursing Part – I/II/III will be promoted to next class. He can take any number of attempts with a condition that maximum period to complete the course shall not exceed eight years. However, all papers need to be cleared before appearing in B.sc Nursing Part – IV examination.
- (19) The college shall not submit students average internal marks more than 75% i.e. if 40 students are admitted in the course then the average score of the 40 student shall not exceed 75%.
- (20) Required percentage of attendance for a appearing in any paper of B.Sc. Nursing Part – I, Part- II, part- III and Part – IV shall be 80% of the total prescribed theory. A candidate must have 100% attendance in each of the practical areas and internship before award of degree. Candidates marks sheets and degree certificates shall be withheld until completion requirements are met for the candidates who do not fulfill the above said criteria.
- (21) The examination shall be conducted by means of written paper and viva voce and practical examination. Candidates shall be required to pass separately in written and practical examination. For practical examinations, there shall be two examiners (one Internal and one External).
- (22) Minimum pass marks shall be 50% of the total prescribed marks in each of the theory and practical papers separately, except Hindi and English papers for which the minimum pass marks shall be 40% of the total prescribed marks.
- (23) Candidates who have obtained 75% or above of the maximum marks will be declared having distinction in the subject.
- (24) A candidate may improve his/her internal assessment marks whenever he/she reappears. In case the candidate does not improve his/her earlier internal assessment marks or does not opt for improvement, his/her earlier internal assessment marks would be conveyed by the principal to the university. No change in the internal marks once conveyed to the university would be possible.
- (25) On completion of internship, internal assessment out of 100 marks should be sent to the University for Inclusion in the mark sheet.
- (26) Final year examination result shall be with held till the candidate completes required attendance for practical and internship.
- (27) Inclusion of MLHP (Middle Level Health Provider) topic and log book in community health nursing B.sc nursing Part- IV.

Duration	=	4 Years
Course Duration	=	52 weeks
Weeks available per year	=	4 weeks annual vacation
Vacation	=	36
Hours per week	=	48 hours per week
Internship practical	=	

COURSE OF INSTRUCTION

First Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In Hrs)
1. Hindi (Qualifying Subject)	30	-	
1. * English (qualifying Subject)	60	-	
2. Anatomy	60	-	
3. Physiology	60	-	
4. Nutrition	60	-	
5. Biochemistry	30	-	
6. Nursing Foundations	265+200	450	
7. Psychology	60	-	
8. Microbiology	60	-	
9. Introduction to Computers	45	-	
10. Library work / Self Study			50
11. Co-curricular activities			50
Total Hours	930	450	100
Total Hours = 1480 hrs			

* The course content and scheme of Examination of Paper- I and Paper – II will be of B.Sc. (Part-I) syllabus in force.

Second Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In Hrs)
1. Sociology	60	-	
2. Pharmacology	45	-	
3. Pathology	30	-	
4. Genetics	15	-	
5. Medical-Surgical Nursing (Adult including geriatrics) – I	210	720	
6. Community Health Nursing – I	90	135	
7. Communication and Educational Technology	60+30	-	
8. Library work / Self Study		-	50
9. Co-curricular activities		-	35
Total Hours	540	855	85
Total Hours = 1480 hrs.			

Third Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In Hrs)
1. Medical-Surgical Nursing (Adult including geriatrics) – II	120	270	
2. Child Health Nursing	90	270	
3. Mental Health Nursing	90	270	
4. Midwifery and Obstetrical nursing	45	180	
5. Nursing Research	45		
6. Library work / Self Study			50
7. Co-curricular activities			50
Total Hours	390	990	100
Total Hours = 1480 hrs.			

Fourth Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In Hrs)
1. Midwifery and Obstetrical nursing	45	180*	
2. Community Health Nursing - II	90	135	
3. Management of Nursing Services and education	60+30	-	
Total Hours	225	315	
Total Hours = 540 hrs.			

* Project work to be carried out during internship

Internship (Integrated Practice)

Practical = 30 hours per week

Subject	Theory	Practical (In hrs)	In Weeks
1. Midwifery and Obstetrical nursing		240	5
2. Community Health Nursing – II		195	4
3. Medical Surgical Nursing (Adult and Geriatric)		430	9
4. Child Health		144	3
5. Mental Health		96	2
6. Research Project		48	1
Total Hours		1152	24
Total Hours = 1692 Hours			

Note:

1. Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
2. Internship should be carried out as 8 hours per day @ 48 hours per week.
3. Students during internship will be supervised by nursing teachers.
4. Fourth year final examination to be held only after completing internship.

SCHEME OF EXAMINATION

First Year

Code No.	Subject	Theory			Practical			Grand Total
		Ext.	Int.	Total	Practical	Int.	Total	
3010	Paper I Anatomy & Physiology	75	25	100	-	-	-	100
3020	Paper II Nutrition and Biochemistry	75	25	100	-	-	-	100
3030	Paper III Nursing Foundation	75	25	100	100	100	200	300
3040	Paper IV Psychology	75	25	100	-	-	-	100
3050	Paper V Microbiology	75	25	100	-	-	-	100
3060	Paper VIII Introduction to computer	75	25	100	Non University Exam.			100
3070	Paper VI English	75	25	100	-	-	-	100
3080	Paper VII Hindi	75	25	100	-	-	-	100

Theory exams for introduction to computer to be conducted as College exam and marks to be sent to the University for inclusion in the mark sheet.

Second Year

Code No.	Subject	Theory			Practical			Grand Total
		Ext.	Int.	Total	Practical	Int.	Total	
3210	Paper I Sociology	75	25	100	-	-	-	100
3220	Paper II Medical Surgical Nursing -I	75	25	100	100	100	200	300
3230	Paper III Pharmacology, Pathology, Genetics	75	25	100	-	-	-	100
3240	Paper IV Community Health Nursing -I	75	25	100	-	-	-	100
3250	Paper V Communication and Educational Technology	75	25	100	-	-	-	100

Third Year

Code No.	Subject	Theory			Practical			Grand Total
		Ext.	Int.	Total	Practical	Int.	Total	
3410	Paper I Medical Surgical Nursing - II	75	25	100	50	50	100	200
3420	Paper II Child Health Nursing	75	25	100	50	50	100	200
3430	Paper III Mental Health Nursing	75	25	100	50	50	100	200
3440	Paper IV Nursing Research & Statistics	75	25	100	-	-	-	100

Fourth Year

Code No.	Subject	Theory			Practical			Grand Total
		Ext.	Int.	Total	Practical	Int.	Total	
3610	Paper I Midwifery and Obstetrical Nursing	75	25	100	50	50	100	200
3620	Paper II Community Health Nursing - II	75	25	100	50	50	100	200
3630	Paper III Management of Nursing Services and Education	75	25	100	-	-	-	100

Note:

- Anatomy and Physiology-Question paper will consist of Section A Anatomy of 37 marks and B Physiology should be of 38 marks.
- Nutrition and Biochemistry: Question paper will consist of Section A Nutrition of 45 marks and Section B of Biochemistry of 30 marks.
- Pharmacology, Genetics, Pathology: Section A Pharmacology of 38 marks, Section B Pathology 25 marks and Genetics of 12 marks.
- Nursing Research & Statistics: Nursing Research should be of 50 marks and Statistics of 25 marks.
- Theory exams for Introduction to Computer to be conducted as College exam and marks to be sent to the University for inclusion in the marks sheet.
- Minimum pass marks shall be 50% in each of the theory and practical papers separately, except Hindi and English where the pass marks shall be 40%.
- A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each paper for appearing for examination.
- A candidate must have 100% attendance in each of the practical areas before award of degree.
- A candidate failing in either theory or practical of a paper will have to re-appear in both the parts (Theory and Practical) of that paper.
- The maximum period to complete the course successfully shall not exceed 8 years.
- All practical examinations must be held in the respective clinical areas.
- One internal and one external examiner should jointly conduct practical examination for each student.
- An examiner should be a lecturer or above in a college of nursing with M.Sc. (N) in concerned subject and minimum of 3 years of teaching experience. To be an examiner for Nursing Foundations course faculty having M.Sc. (N) with any specialty shall be considered.

(3010) ANATOMY & PHYSIOLOGY

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs.

Anatomy and Physiology-Question paper will consist of Section A Anatomy of 37 marks and B Physiology should be of 38 marks.

Section A : ANATOMY

(Max. Marks 37)

Placement – First Year

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 structure in disease and practice of nursing.

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	<ul style="list-style-type: none"> Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands 	Introduction to Anatomical terms organization of the human body <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, microscopic slides, skeleton & torso Demonstrate cells, types of tissues membranes and glands Record book 	<ul style="list-style-type: none"> Short answers questions Objective type

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
II	6	<ul style="list-style-type: none"> Describe the structure & function of bones and joints 	The Skeletal System <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, skeleton, loose bones, and joints Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
III	7	<ul style="list-style-type: none"> Describe the structure and function of muscles 	The Muscular System <ul style="list-style-type: none"> Types and structure of muscles Muscle groups Alterations in disease Applications and Implications in nursing I 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, model and films Demonstrate muscular movements Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
IV	6	<ul style="list-style-type: none"> Describe the structure & function of nervous system 	The Nervous System <ul style="list-style-type: none"> Structure of neurologia & neurons Somatic Nervous system Structure of brain, spinal chord, cranial nerves, spinal nerves, peripheral nerves 	<ul style="list-style-type: none"> Lecture discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> Automatic nervous system-sympathetic, parasympathetic Structure, location Alterations in disease Applications and Implications in nursing 		
V	6	<ul style="list-style-type: none"> Explain the structure & functions of sensory organs 	The Sensory Organs <ul style="list-style-type: none"> Structure of skin, eye, ear, nose, tongue, (auditory and olfactory apparatus) Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
VI	7	<ul style="list-style-type: none"> Describe the structure & function of circulatory and lymphatic system 	Circulatory and lymphatic system <ul style="list-style-type: none"> The circulatory system Blood – Microscopic structure Structure of heart Structure of blood vessels – arterial & Venous System Circulation: systematic, pulmonary, coronary Lymphatic system 	<ul style="list-style-type: none"> Lecture discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> Lymphatic vessels and lymph Lymphatic tissues Thymus gland Lymph nodes Spleen Lymphatic nodules Alterations in disease Applications and Implications in nursing 		
VII	5	<ul style="list-style-type: none"> Describe the structure & function of respiratory system 	The Respiratory system <ul style="list-style-type: none"> Structure of the organs of respiration Muscles of respiration: Intercostals and Diaphragm Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using models; torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
VIII	6	<ul style="list-style-type: none"> Describe the structure & function of digestive system 	The Digestive System <ul style="list-style-type: none"> Structure of Alimentary tract and accessory organs of digestion Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using models; torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IX	4	<ul style="list-style-type: none"> Describe the structure & function of excretory system 	The Excretory System (Urinary) <ul style="list-style-type: none"> Structure of organs of urinary system: kidney, urethra, urinary bladder, urethra structure of skin Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using models; torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
X	4	<ul style="list-style-type: none"> Describe the structure & function of endocrine system 	The Endocrine System <ul style="list-style-type: none"> Structure of Pituitary, Pancreas, Thyroid, Parathyroid, Thymus and Adrenal Glands Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using models; torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
XI	4	<ul style="list-style-type: none"> Describe the structure & function of reproductive system 	The Reproductive system including breast : Structure of female reproductive organs <ul style="list-style-type: none"> Structure of male reproductive organs Structure of breast Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using models; torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type

Section B: PHYSIOLOGY

(Max. Marks - 38)

Placement – First Year

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 disease and practice of nursing.

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> Describe the physiology of cell, tissues, membranes and glands 	Cell Physiology <ul style="list-style-type: none"> Tissue – formation, repair Membrane & glands-functions Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answers questions Objective type
II	4	<ul style="list-style-type: none"> Describe the bone formation and growth and movements of skeleton system 	Skeletal System <ul style="list-style-type: none"> Bone formation & Growth Bones-functions and movements of bones of axial and appendicular skeleton, bone healing Joints and joint movement Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models and films Demonstration of joint movements 	<ul style="list-style-type: none"> Short answers questions Objective type
III	4	<ul style="list-style-type: none"> Describe the muscle movements and tone & demonstrate muscle contraction & tone 	Muscular System <ul style="list-style-type: none"> Muscle movements, muscle tone, physiology of muscle contraction, levels and maintenance of posture 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models and films 	<ul style="list-style-type: none"> Short answers questions

			<ul style="list-style-type: none"> Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Demonstration of muscle movements, tone and contraction 	<ul style="list-style-type: none"> Objective type
IV	7	<ul style="list-style-type: none"> Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves Demonstrate reflex action and stimulus 	Nervous System <ul style="list-style-type: none"> Functions of Neurologia & 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 Automatic functions- Pain, somatic, visceral and referred. Automatic learning and biofeedback Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models and films Demonstration nerve stimulus, reflex action, reflexes 	<ul style="list-style-type: none"> Short answers questions Objective type
V	8	<ul style="list-style-type: none"> Describe the physiology of blood and functions of heart 	Circulatory System <ul style="list-style-type: none"> Blood formation, composition, blood groups, blood coagulation Hemoglobin: Structure, Synthesis and breakdown, variation of molecules, estimation 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models and films 	<ul style="list-style-type: none"> Short answers questions Objective type

		<ul style="list-style-type: none"> Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring 	<ul style="list-style-type: none"> Functions of Heart, conduction, Cardiac cycle, circulation-Principles, control, factors influencing BP and pulse Alterations in disease Applications and Implications in nursing 	<ul style="list-style-type: none"> Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, heart conduction system Measurement of pulse BP 	
VI	6	<ul style="list-style-type: none"> Describe the physiology and mechanisms of respiration Demonstrates spirometry 	The Respiratory System <ul style="list-style-type: none"> Functions of respiratory organs Physiology of respiration Pulmonary ventilation, volume Mechanics of respiration Gaseous exchange in lungs Carriage of oxygen & carbon dioxide Exchange of gases in tissues Regulation of respiration Alterations in disease Application and Implications in nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models and films Demonstration of spirometry 	<ul style="list-style-type: none"> Short answers questions Objective type
VII	6	<ul style="list-style-type: none"> Describe the physiology of digestive system Demonstrates BMR 	The Digestive System <ul style="list-style-type: none"> Functions of organs of digestive tract. Movements of alimentary tract, digestion in mouth, stomach, small intestines, large intestines, absorption of food. Functions of liver, bladder and pancreas 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models and films 	<ul style="list-style-type: none"> Short answers questions Objective type

			<ul style="list-style-type: none"> • Metabolism of carbohydrates, protein and fat 		
VIII	5	<ul style="list-style-type: none"> • Describe the physiology of excretory system 	<p>The Excretory System</p> <ul style="list-style-type: none"> • Functions of kidneys, ureters, urinary bladder & urethra • Composition of urine • Mechanism of urine formation • Functions of skin • Regulation of body temperature • Fluid and electrolyte balance • Alterations in disease • Applications and Implications in nursing 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, models and films 	<ul style="list-style-type: none"> • Short answers questions • Objective type
IX	4	<ul style="list-style-type: none"> • Describe the physiology of sensory organs 	<ul style="list-style-type: none"> • The Sensory Organs • Functions of skin, eye, ear, nose, tongue • Alterations in disease • Applications and Implications in nursing 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, models and films 	<ul style="list-style-type: none"> • Short answers questions • Objective type
X	5	<ul style="list-style-type: none"> • Describe the physiology of endocrine glands 	<p>The Endocrine System</p> <ul style="list-style-type: none"> • Functions of Pituitary, pineal body, thymus, thyroid, parathyroid, pancreas, suprarenal, Placenta and ovaries & Testes • Alterations in disease • Applications and Implications in nursing 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, models and films • Demonstration of BMR 	<ul style="list-style-type: none"> • Short answers questions • Objective type

XI	5	<ul style="list-style-type: none"> • Describe the physiology of Male and Female reproductive system 	<p>The Reproductive System</p> <ul style="list-style-type: none"> • Reproduction of cells-DNA • Mitosis, Meiosis, spermatogenesis, oogenesis • Functions of female reproductive organs; functions of breast, female sexual cycle • Introduction to embryology • Functions of male reproductive organs, male functions in reproduction, male fertility system • Alterations in disease • Applications and Implications in nursing 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, • Films, models, specimens 	<ul style="list-style-type: none"> • Short answers questions • Objective type
XII	2	<ul style="list-style-type: none"> • Describe the physiology of Lymphatic and Immunological system 	<p>Lymphatic and Immunological system</p> <ul style="list-style-type: none"> • Circulation of lymph • Immunity • Formation of T-Cells and B cells • Types of Immune response • Antigens • Cytokines • Antibodies 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, models and films 	<ul style="list-style-type: none"> • Short answers questions • Objective type

First Basic B.Sc. (Nursing)
3010

Anat. & Physio. - I

First Year Basic B.Sc Nursing (Main)

Examination Month Year

ANATOMY AND PHYSIOLOGY

Paper I

Time: Three Hours

Maximum Marks: 75

This Question paper consists of Section A Anatomy of 37 marks

and B Physiology of 38 marks.

Use separate answer-book for each section

Section – A

ANATOMY

Q.No.1 Long essay Type (Attempt any one out of two) 10x1=10

Q.No.2 Short Essay Type (Attempt any three out of five) 5x3=15

Q.No.3 Short Answer Type (6) 2x6=12

Section – B

PHYSIOLOGY

Q.No.1 Long essay Type (Attempt any one out of two) 10x1=10

Q.No.2 Short Essay Type (Attempt any four out of six) 5x4=20

Q.No.3 Short Answer Type (4) 2x4=8

First Basic B.Sc. (Nursing)
3010

Anat. & Physio. - I

First Year Basic B.Sc Nursing (Main)

Examination Month Year

ANATOMY AND PHYSIOLOGY

Paper I

Time: Three Hours

Maximum Marks: 75

This Question paper consists of Section A Anatomy of 37 marks

and B Physiology of 38 marks.

Use separate answer-book for each section

Section – A

ANATOMY

Q.No.1 Long essay (Attempt any One) 10x1=10

(a) List the organs of alimentary canal. Explain stomach in detail.

(b) Describe the various endocrine glands. Explain thyroid gland in detail.

Q.No.2 Short essay (Attempt any Three) 5x3=15

(a) Muscle tissue

(b) Types of joints giving example of each

(c) Lymph node

(d) Mandibular nerve

(e) Functional areas and arterial supply of Cerebrum

Q.No.3 Short answers 2x6=12

(a) Nucleus

(b) Brachial Plexus

(c) Muscles supplied by Radial nerve

(d) Abdominal aorta

(e) Surface marking of Heart

(f) Muscles of Mastication

Section – B
PHYSIOLOGY

Q.No.1 Long essay (Attempt any One) 10x1=10

- (a) What is blood pressure? Describe effect of exercise on BP.
(b) Explain in detail urine formation

Q.No.2 Short essay (Attempt any Four) 5x4=20

- (a) Menstrual cycle
(b) Hearing
(c) Function of blood
(d) Aldosterone hormone
(e) Conducting system of heart
(f) Cardiac cycle

Q.No.3 Short answers 2x4=8

- (a) Function of cerebrum
(b) Factors affecting blood pressure
(c) List down the functions of liver
(d) Mechanism of blood coagulation

(3020) NUTRITION & BIOCHEMISTRY

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs.

Nutrition and Biochemistry Question paper will consist of Section A nutrition of 45 marks and Section B of Biochemistry of 30 marks.

Section A : Nutrition
Max. Marks - 45

Placement – First Year

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 (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> Describe the relationship between nutrition & health 	<p>Introduction</p> <ul style="list-style-type: none"> Nutrition <ul style="list-style-type: none"> 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 and its medicinal value 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, microscopic slides, skeleton & torso Demonstrate cells, types of tissues membranes and glands Record book 	<ul style="list-style-type: none"> Short answers questions Objective type

			<ul style="list-style-type: none"> • Classification of foods • Food standards • Elements of nutrition: macro and micro • Calorie, BMR 		
II	2	<ul style="list-style-type: none"> • Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates 	Carbohydrates <ul style="list-style-type: none"> • Classification • Caloric value • Recommended daily allowances • Dietary sources • Functions • Digestion, absorption and storage, metabolism of carbohydrates • Malnutrition: Deficiencies and over consumption 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts 	<ul style="list-style-type: none"> • Short answers questions • Objective type
III	2	<ul style="list-style-type: none"> • Describe the classification, functions, sources and recommended daily allowances (RDA) of fats 	Fats <ul style="list-style-type: none"> • Classification • Recommended daily allowance • Dietary sources • Functions • Digestion, absorption and storage, metabolism • Malnutrition: Deficiencies and over consumption 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts 	<ul style="list-style-type: none"> • Short answers questions • Objective type

IV	2	<ul style="list-style-type: none"> • Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins 	Proteins <ul style="list-style-type: none"> • Classification • Caloric value • Recommended daily allowances • Dietary sources • Functions • Digestion, absorption and storage, metabolism • Malnutrition: Deficiencies and over consumption 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts 	<ul style="list-style-type: none"> • Short answers questions • Objective type
V	3	<ul style="list-style-type: none"> • Describe the daily calorie requirement for different categories of people 	Energy <ul style="list-style-type: none"> • Unit of Energy – Kcal • Energy requirements of different categories of people. • Measurements of energy. • Body Mass Index (BMI) and basic metabolism • Basal Metabolic Rate (BMR) – determination and factors affecting 	<ul style="list-style-type: none"> • Lecture discussion • Explaining, Using chart • Exercise • Demonstration 	<ul style="list-style-type: none"> • Short answers questions • Objective type
VI	4	<ul style="list-style-type: none"> • Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins 	Vitamins <ul style="list-style-type: none"> • Classification • Recommended daily allowances • Dietary sources • Functions 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts 	<ul style="list-style-type: none"> • Short answers questions • Objective type

			<ul style="list-style-type: none"> Absorption, synthesis, metabolism storage and excretion Deficiencies Hypervitaminosis 		
VII	4	<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals 	Minerals <ul style="list-style-type: none"> Classification Recommended daily allowances Dietary sources Functions Absorption, synthesis, metabolism storage and excretion Deficiencies Over consumption and toxicity 	<ul style="list-style-type: none"> Lecture discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
VIII	3	<ul style="list-style-type: none"> Describe the sources, functions and requirements of water & electrolytes 	Water & Electrolytes <ul style="list-style-type: none"> Water: Daily requirements, regulation of water metabolism, distribution of body water. Electrolytes; types, sources, composition of body fluids Maintenance of fluid & electrolyte balance 	<ul style="list-style-type: none"> Lecture discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type

			<ul style="list-style-type: none"> Over hydration, dehydration and water intoxication Electrolyte imbalances 		
IX	5	<ul style="list-style-type: none"> Describe the cookery rules and preservation of nutrients Prepare and serve sample beverages and different types of foods 	Cookery rules and preservation of nutrients <ul style="list-style-type: none"> Principles, methods of cooking and serving Preservation of nutrients Safe food handling – toxicity Storage of food Food preservation, food additives and its principles Prevention of Food Adulteration Act (PFA) Food standards Preparation of simple beverages and different types of food 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session 	<ul style="list-style-type: none"> Short answers Objective type Assessment of practice session
X	7	<ul style="list-style-type: none"> Describe and plan balanced diet for different categories of people 	Balanced diet <ul style="list-style-type: none"> Elements Food groups Recommended daily allowance Nutritive value of foods Calculation of balanced diet for different categories of people 	<ul style="list-style-type: none"> Lecture discussion Explaining using charts Practice session Meal planning 	<ul style="list-style-type: none"> Short answers Objective type Exercise on menu planning

			<ul style="list-style-type: none"> • Planning menu • Budgeting of food • Introduction to therapeutic diets. • Naturopathy-diet 		
XI	4	<ul style="list-style-type: none"> • Describe various national programs related to nutrition • Describe the role of nurse in assessment of nutritional status and nutrition education 	<p>Role of nurse in nutritional programmes</p> <ul style="list-style-type: none"> • National programmes related to nutrition <ul style="list-style-type: none"> o Vitamin A deficiency programme o National Iodine Deficiency Disorders (IDD) programme o Mid-day meal programme o Integrated Child Development Scheme (ICDS) • National and International agencies working towards food/nutrition <ul style="list-style-type: none"> o NIPCCD, CARE, FAO, NIN, CFTRI (Central Food Technology and Research Institute) etc. • Assessment of nutritional status • Nutrition education and role of nurse 	<ul style="list-style-type: none"> • Lecture discussion • Explaining with • Slide/ film shows • Demonstration of assessment of nutritional status 	<ul style="list-style-type: none"> • Short answers • Objective type

Section B : BIOCHEMISTRY
(Max. Marks - 30)

Placement – First Year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> • Describe the structure composition and functions of cell • Differentiate between Prokaryote and Eukaryote cell • Identify techniques of microscopy 	<p>Introduction</p> <ul style="list-style-type: none"> • Definition & significance in nursing • Review of structure, composition and functions of cell • Prokaryote and Eukaryote cell organization • Microscopy 	<ul style="list-style-type: none"> • Lecture discussion using charts, slides • Demonstrate use of microscope 	<ul style="list-style-type: none"> • Short answers • Objective type
II	6	<ul style="list-style-type: none"> • Describe the structure and functions of cell membrane 	<p>Structure and function of cell membrane</p> <ul style="list-style-type: none"> • Fluid mosaic model tight junctions, cytoskeleton • Transport mechanism – diffusion, Osmosis, filtration, active channel, sodium pump • Acid base balance – maintenance & diagnostic tests of Ph buffers 	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> • Short answers • Objective type

III	6	<ul style="list-style-type: none"> Explain the metabolism of carbohydrates 	<p>Composition and Metabolism of Carbohydrates</p> <ul style="list-style-type: none"> Types, structure, composition and uses <ul style="list-style-type: none"> Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides Metabolism <ul style="list-style-type: none"> Pathways of glucose Glycolysis Gluconeogenesis: Cori's cycle, Tricarboxylic Acid (TCA) Cycle Glycogenolysis Pentose phosphate pathways (Hexose monophosphate) Regulation of blood glucose levels Investigations and their interpretations 	<ul style="list-style-type: none"> Lecture discussion Demonstration of blood glucose monitoring 	<ul style="list-style-type: none"> Short answers Objective type
IV	4	<ul style="list-style-type: none"> Explain the metabolism of lipids 	<p>Composition & Metabolism of lipids</p> <ul style="list-style-type: none"> Types, structure, composition and uses of fatty acids Nomenclature, roles and prostaglandins 	<ul style="list-style-type: none"> Lecture discussion using charts Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answers Objective type

			<ul style="list-style-type: none"> Metabolism of fatty acid <ul style="list-style-type: none"> Breakdown Synthesis Metabolism of triacylglycerols Cholesterol metabolism <ul style="list-style-type: none"> Biosynthesis and its regulation Bile salts and Bilirubin Vitamin D Steroid hormones Lipoproteins and their functions <ul style="list-style-type: none"> VLDLs-IDLs,LDLs andHDLs Atherosclerosis Investigations and their interpretations 		
V	6	<ul style="list-style-type: none"> Explain the metabolism of Amino Acids and Proteins 	<p>Composition & metabolism of Amino Acid & Proteins</p> <ul style="list-style-type: none"> Types, structure, composition and uses of amino acids and proteins Metabolism of amino acids and proteins <ul style="list-style-type: none"> Protein synthesis, targeting and glycosylation Chromatography Electrophoresis Sequencing 	<ul style="list-style-type: none"> Lecture discussion using charts Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answers

			<ul style="list-style-type: none"> • Metabolism of nitrogen <ul style="list-style-type: none"> o Fixation and Assimilation o Urea cycle o Hemes and chlorophylls • Enzymes and co-enzymes <ul style="list-style-type: none"> o Classification o Properties o Kinetics and inhibition - Control • Investigations and their interpretations 		
VI	2	<ul style="list-style-type: none"> • Describe types, composition and utilization of Vitamins & Minerals 	<p>Composition of Vitamins and Minerals</p> <ul style="list-style-type: none"> • Vitamins and Minerals: <ul style="list-style-type: none"> o Structure o Classification o Properties o Absorption o Storage & transportation o Normal concentration investigations and their interpretations 	<ul style="list-style-type: none"> • Lecture discussion using charts • Demonstration of laboratory tests 	<ul style="list-style-type: none"> • Short answers • Objective type Deformities
VII	3	<ul style="list-style-type: none"> • Describe Immunochemistry 	<p>Immunochemistry</p> <ul style="list-style-type: none"> o Immune o Classification of Immunoglobins 	<ul style="list-style-type: none"> • Lecture discussion using charts • Demonstration of laboratory tests 	<ul style="list-style-type: none"> • Short answers • Objective type

			<ul style="list-style-type: none"> o Mechanisms of antibody production o Applying o Antioxidants specialized protein; collagen, elastin, keratin, myosin, lens proteins • Electroprotein and quantitative determination of immunoglobins o ELISA etc. • Investigation and their interpretations 		
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First Basic B.Sc. (Nursing)

Nutr. & Biochem. - II

3020

First Year Basic B.Sc Nursing (Main)

Examination Month Year

NUTRITION AND BIOCHEMISTRY

Paper II

Time: Three Hours

Maximum Marks: 75

*This Question paper consists of Section A Nutrition of 45 marks**and B Biochemistry of 30 marks.**Use separate answer-book for each section*

Section – A

NUTRITION

Q.No.1 Long essay Type (Attempt any one out of two) 10x1=10

Q.No.2 Short Essay Type (Attempt any five out of seven) 5x5=25

Q.No.3 Short Answer Type (5) 2x5=10

Section – B

BIOCHEMISTRY

Q.No.1 Long essay Type (Attempt any one out of two) 10x1=10

Q.No.2 Short Essay Type (Attempt any two out of four) 5x2=10

Q.No.3 Short Answer Type (5) 2x5=10

First Basic B.Sc. (Nursing)

Nutr. & Biochem. - II

3020

First Year Basic B.Sc Nursing (Main)

Examination Month Year

NUTRITION AND BIOCHEMISTRY

Paper II

Time: Three Hours

Maximum Marks: 75

*This Question paper consists of Section A Nutrition of 45 marks**and B Biochemistry of 30 marks.**Use separate answer-book for each section*

Section – A

NUTRITION

Q.No.1 Long essay (Attempt any One) 10x1=10

- (a) Define balanced diet. Discuss briefly about over nutrition.
- (b) Write down source, function and deficiency of vitamin A.

Q.No.2 Short essay (Attempt any Five) 5x5=25

- (a) Methods of cooking
- (b) PFA act
- (c) Classification of food
- (d) Vitamin D
- (e) Relationship between nutrition and health
- (f) Classification of carbohydrate
- (g) Malnutrition

Q.No.3 Short answers 2x5=10

- (a) Niacin
- (b) RDA
- (c) Calcium
- (d) Fatty acid
- (e) Essential Amino acid

Section – B
BIOCHEMISTRY

Q.No.1 Long essays (Attempt any One)
(a) Discuss urea cycle.
(b) Classification of enzyme. 10x1=10

Q.No.2 Short essays (Attempt any Two)
(a) Oxidative phosphorylation 5x2=10
(b) Essential amino acid
(c) Protein
(d) Fatty acid

Q.No.3 Short answers 2x5=10
(a) Phospholipids
(b) Pyridoxine
(c) Ketosis
(d) Electrophoresis
(e) Kwashiorkor

(3030) NURSING FOUNDATION

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Practical	-	100 Marks
Internal Assessment	-	50 Marks
Total	-	250 Marks
Duration	-	3 Hrs. (Theory)

Placement– First Year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> Describe the concept of health, illness and health care agencies 	<p>Introduction</p> <ul style="list-style-type: none"> Concepts of Health: Health Illness continuum Factors influencing health Causes and risk factors for developing illness Body defenses: Immunity and immunization Illness and illness Behaviours : Impact of illness on patient and family Health care services, health promotion and prevention, primary care, diagnosis, 	<ul style="list-style-type: none"> Lecture discussion Visit to health care agencies 	<ul style="list-style-type: none"> Essay type Short answers Objective type

			<p>treatment, Rehabilitation and continuing care</p> <ul style="list-style-type: none"> • 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 		
II	16	<ul style="list-style-type: none"> • Explain concept and scope of nursing • Describe values, code of ethics and professional conduct for nurses in India 	<p>Nursing as a profession</p> <ul style="list-style-type: none"> • Definitions and characteristics of a profession • Nursing <ul style="list-style-type: none"> o Definition, concepts, philosophy, objectives o Characteristics, nature and scope of nursing practice o Functions of nurse o Qualities of a nurse o Categories of nursing personnel o Nursing as a profession o History of nursing in India • Values: Definition, types, values clarification and values in professional nursing: caring and advocacy 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Role plays 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

			<ul style="list-style-type: none"> • Ethics: • Definitions and Ethical Principles <ul style="list-style-type: none"> o Code of ethics and professional conduct for nurse 		
III	4	<ul style="list-style-type: none"> • Explain the admission and discharge procedures • Perform admission and discharge procedure 	<p>Hospital admission and discharge</p> <ul style="list-style-type: none"> • Admission to the hospital <ul style="list-style-type: none"> o Unit and its preparations admission bed • Admission procedure • Special considerations <ul style="list-style-type: none"> o Medico-legal issues o Roles and responsibilities of the nurse • Discharge from the hospital <ul style="list-style-type: none"> o Types: Planned discharge, LAMA and abscond, referrals and transfers o Discharge planning o Discharge procedure o Special considerations o Medico-legal issues o Roles and responsibilities of the nurse o Care of the unit after discharge 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Lab practice • Supervised • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess skills with check list • Clinical practical examination
IV	10	<ul style="list-style-type: none"> • Communicate effectively with patient, families and team members and 	<p>Communication and Nurse patient relationship</p> <ul style="list-style-type: none"> • Communication: Levels, Elements, Types, Modes, Process, Factors 	<ul style="list-style-type: none"> • Lecture discussion • Role play and video film on the nurses interacting with the patient 	<ul style="list-style-type: none"> • Essay type • Short answers

		<p>maintain effective human relations (projecting professional image)</p> <ul style="list-style-type: none"> • Appreciate the importance of patient teaching in nursing 	<p>influencing communication</p> <ul style="list-style-type: none"> - Methods of effective communication. -Attending skills - Rapport building skills- Empathy skills-Barriers to effective communication o Helping relationships (NPR): Dimensions of helping relationships, phases of a helping relationship • Communicate effectively with patient, families and team members and maintain effective human relations with special reference to communication with vulnerable group (children, women, physically and mentally challenged and elderly) • Patient teaching; Importance, purposes, process, role of nurse and integrating teaching in nursing process 	<ul style="list-style-type: none"> • Practice session on patient teaching • Supervised Clinical practice 	<ul style="list-style-type: none"> • Objective type
V	15	<ul style="list-style-type: none"> • Explain the concept, uses, format and steps of nursing process • Document nursing process as per the format 	<p>The Nursing Process</p> <ul style="list-style-type: none"> • Critical thinking and nursing judgment o Critical thinking: thinking and learning o Competencies, attitudes for critical 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Exercise • Supervised • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

			<p>thinking, levels of critical thinking in nursing</p> <ul style="list-style-type: none"> • Nursing process overview: • Application in practice o Nursing process format: INC, Current format o Assessment o Collection of Data: Types, sources, methods o Formulating nursing judgment: data interpretation • Nursing diagnosis o Identification of client problems • Nursing diagnosis statement o Difference between medical and nursing diagnosis o Planning o Establishing Priorities • Establishing goals and expected outcomes o Selection of interventions protocols and standing orders o Writing the nursing care plan o Implementation o Implementing the plan of care o Evaluation o Outcome of care o Review and modify o Documentation and reporting 		
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VI	4	<ul style="list-style-type: none"> Describe the purposes, types and techniques of recording and reporting 	<p>Documentation and Reporting</p> <ul style="list-style-type: none"> Documentation: Purposes of recording and reporting Communication within the health care team Types of records: ward records, medical/ nursing records. Common record-keeping forms, computerized documentation Guidelines for reporting: Factual Basis, Accuracy, Completeness, Currentness, Organization, Confidentiality Methods of recording Reporting: change-of shift reports: transfer reports, incident reports Minimizing legal liability through effective record keeping 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type
VII	15	<ul style="list-style-type: none"> Describe principles and techniques of monitoring and maintaining vital signs Monitor and maintain vital signs 	<p>Vital Signs</p> <ul style="list-style-type: none"> Guidelines for taking vital signs: <ul style="list-style-type: none"> Body temperature: <ul style="list-style-type: none"> Physiology, Regulation, factors affecting body temperature. Assessment of body temperature: sites, equipments and technique, special considerations Temperature alterations: 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with checklist and clinical practical examination

			<ul style="list-style-type: none"> Hyperthermia, Heatstroke, Hypothermia Hot and cold applications Pulse:•Physiology and regulation, characteristics of the pulse, factors affecting pulse• Assessment of pulse: sites, location, equipments and techniques, special considerations <ul style="list-style-type: none"> Alterations in pulse: <ul style="list-style-type: none"> Respiration <ul style="list-style-type: none"> Physiology and Regulation, mechanism of breathing characteristics of the respiration, factors affecting respiration Assessment of respirations: technique, special considerations Alterations in respiration Blood pressure <ul style="list-style-type: none"> Physiology and regulation, characteristics of the blood pressure, factors affecting blood pressure Assessment of blood pressure: sites, equipments and techniques, special considerations Alterations in blood pressure Recording of vital signs 		
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VIII	30	<ul style="list-style-type: none"> Describe purpose and process of health assessment Describe the health assessment of each body system Perform health assessment of each body system 	Health assessment <ul style="list-style-type: none"> Purpose Process of Health assessment Health history Physical examination: <ul style="list-style-type: none"> Methods – Inspection, Palpation, Percussion, Auscultation, Olfaction Preparation for examination: patient and unit General assessment Assessment of each body system Recording of health assessment 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice on simulators Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type
IX	5	<ul style="list-style-type: none"> Identifies the various machinery, equipment and linen and their care 	Machinery, Equipment and linen <ul style="list-style-type: none"> Types: Disposables and reusables- Linen, rubber goods, glass ware, metal, plastics furniture, machinery Introduction: <ul style="list-style-type: none"> Indent Maintenance Inventory 	<ul style="list-style-type: none"> Lecture discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short answers Objective type
X	60	<ul style="list-style-type: none"> Describe the basic Physiological and Psychosocial needs of patient Describe the principles and techniques for 	Meeting needs of patient <ul style="list-style-type: none"> Basic needs (activities of daily living) Providing safe and clean environment: <ul style="list-style-type: none"> Physical environment: Temperature, humidity, noise, 	<ul style="list-style-type: none"> Demonstration Practice sessions Supervised Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type

		meeting basic, physiological and psychosocial needs. <ul style="list-style-type: none"> Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient 	ventilation, light, odour, pest control <ul style="list-style-type: none"> Reduction of physical hazard: fire accidents Safety devices: Restraints, side rails, airways, trapez etc Role of nurse in providing safe and clean environment Hygiene <ul style="list-style-type: none"> Hygienic influencing hygienic practice Hygienic care: Care of the skin, Bath and pressure points, feet and nail, Oral cavity, hair care, eyes, ear and nose Assessment, principles, types, equipments, procedure, special considerations Patient environment: Room equipment and linen, making patient beds Types of beds and bed making <ul style="list-style-type: none"> Comfort: <ul style="list-style-type: none"> Factors influencing comfort Comfort devices <ul style="list-style-type: none"> Physiological needs Sleep and Rest Physiology of sleep 		<ul style="list-style-type: none"> Assess with check list clinical practical examination
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			<ul style="list-style-type: none"> o Factors affecting sleep o Promoting rest and sleep o Sleep disorders <ul style="list-style-type: none"> • Nutrition o Importance o Factors affecting nutritional needs o Assessment of nutritional needs variables o Meeting nutritional needs: Principles, equipments, procedure and special considerations <ul style="list-style-type: none"> • Oral • Enteral: Naso/Orogastric, gastrostomy • Parenteral: • Urinary Elimination o Review of physiology of Urine elimination, composition and characteristics of urine o Factors influencing Urination o Alteration in Urinary Elimination o Types and collection of urine specimen: <ul style="list-style-type: none"> • Observation, urine testing o Facilitating urine elimination: assessment, types, equipments procedures and special considerations 		
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			<ul style="list-style-type: none"> • Providing urinal/bed pan • Condom drainage • Perineal care • Catheterization • Care of urinary drainage • Care of urinary diversions • Bladder irrigation • Bowel Elimination o Review of physiology of Bowel Elimination, composition and Characteristics of faeces o Factors affecting bowel elimination o Alterations in Bowel elimination o Types and collection of specimen of faeces: Observation o Facilitating bowel elimination; assessment equipments, procedures and special considerations <ul style="list-style-type: none"> • Passing of Flatus tube • Enemas • Suppository • Sitz bath 		
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			<ul style="list-style-type: none"> • Bowel wash • Care of Ostomies • Mobility and Immobility o Principles of body mechanics, Maintenance of normal body alignment and m mobility o Factors affecting body alignment and mobility o Hazards associated with immobility o Alteration in body alignment and mobility o Nursing interventions for impaired body alignment and mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects • Range of motion exercises • Maintaining body alignment positions • Moving • Lifting • Transferring • Walking • Restraints 		
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			<ul style="list-style-type: none"> • Oxygenation o Review of cardiovascular and respiratory physiology o Factors affecting oxygenation o Alterations in oxygenation o Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations • Maintenance of patient airway • Oxygen administration • Suction • Inhalations: dry and moist • Chest physiotherapy and postural drainage • Care of chest drainage • Pulse oximetry • CPR – Basic life support • Fluid, Electrolyte, and Acid-Base Balances • Review of physiological regulation of fluid, Electrolyte, and Acid-Base balances o Factors affecting fluid, electrolyte, and acid-base balance o Alterations in fluid, electrolyte, and acid-base balances o Nursing interventions in fluid, 		
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			electrolyte, and acid-Base balances <ul style="list-style-type: none"> • Assessment, types, equipment, procedure and special considerations • Measuring fluid intake and output • Correcting Fluid, Electrolyte imbalance: • Replacement of fluids: oral and Parenteral-Venipuncture, regulating IV flow rates, changing IV solutions and tubing, changing IV dressing. • Administering blood transfusion • Restriction of fluids • Psychosocial needs <ul style="list-style-type: none"> o Concepts of cultural diversity, stress and adaptation, self-concept, sexuality, spiritual health, coping with loss, death and grieving o Assessment of psychosocial needs o Nursing intervention for psychological needs o Assist with coping and adaptation o Creating therapeutic environment o Recreational and diversional therapies 		
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XI	20	<ul style="list-style-type: none"> • Describe principles and techniques for infection control and biomedical waste management in supervised clinical settings 	Infection control in clinical settings <ul style="list-style-type: none"> • Infection control <ul style="list-style-type: none"> o Nature of infection o Chain of infection transmission o Defenses against infection: natural and acquired o Hospital acquired infection (Nosocomial infection) • Concept of asepsis: medical asepsis, and surgical asepsis • Isolation precautions (Barrier nursing): <ul style="list-style-type: none"> o Hand washing: simple, hand antisepsis and surgical antisepsis (scrub) • Decontamination of equipment and unit <ul style="list-style-type: none"> o Transportation of infected patients • Standard safety precautions (Universal precautions) • Biomedical waste management: <ul style="list-style-type: none"> o Importance • Types of hospital waste o Hazards associated with hospital waste o Decontamination of hospital waste o Segregation and Transportation and Disposal 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Lab Practice • Supervised Clinical practice 	
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XII	40	<ul style="list-style-type: none"> • Explain the principles, routes, effects of administration of medications • Calculate conversions of drugs and dosages within and between systems of measurements • Administer drugs by the following routes- oral, intradermal, Subcutaneous, Intramuscular, Intra Venous topical, inhalation 	<p>Administration of Medications</p> <ul style="list-style-type: none"> • General principles / consideration <ul style="list-style-type: none"> o Purposes of Medication • Principles: 5 rights, special considerations, prescriptions, safety in administering medications and medication errors o Drug forms o Routes of administration o Storage and maintenance of drugs and nurses responsibility o Broad classification of drugs o Therapeutic effects, side effects, toxic effects, idiosyncratic reactions, Allergic reactions, drug tolerance, drug interactions o Factors influencing drug actions o System of Drug <ul style="list-style-type: none"> • Measurement: Metric system, Apothecary system, Household measurements, solutions o Converting measurements units: conversion within one system, conversion between system dosage calculations o Terminologies and abbreviations used in prescriptions of medications 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess with checklist and • Clinical practical examination
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			<ul style="list-style-type: none"> • Oral drugs administration: Oral, sublingual and Buccal: • Equipment, procedures • Parenteral <ul style="list-style-type: none"> o General principles: decontamination and disposal of syringes and needles o Types of parenteral therapies o Types of syringes, needles, canulam and infusion sets o Protection from Needlestick Injuries: giving medications with safety syringes o Routes of parenteral therapies o Intradermal: purpose, site, equipment, procedure, special considerations o Subcutaneous: purpose, site, equipment, procedure, special considerations o Intramuscular: purpose, site, equipment, procedure, special considerations o Intra Venous: purpose, site, equipment, procedure, special considerations o Advanced techniques: epidural intrathecal, intraosseous, 		
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			<p>intraoperative, intraplural, intraarterial – Role of nurse</p> <ul style="list-style-type: none"> • Topical Administration: purposes, site, equipments, procedure, special considerations for <ul style="list-style-type: none"> o Application to skin o Application to mucous membrane o Direct application of liquids – Gargle and swabbing the throat o Insertion of drug into body cavity: Suppository/ medicated packing in rectum/vagina o Instillations: Ear, Eye, Nasal, Bladder and Rectal o Irrigations: Eye, Ear, Bladder, Vaginal and Rectal o Spraying: Nose and Throat • Inhalation: Nasal, oral, endotracheal / tracheal (Steam, oxygen and medications)- purposes, types, equipment, procedure, special considerations o Recording and reporting of medications administered 		
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XIII	10	<ul style="list-style-type: none"> • Describe the pre and post operative care of patients • Explain the process of wound healing • Explain the principles and techniques of wound care • Perform care of wounds 	<p>Meeting needs of Perioperative patients</p> <ul style="list-style-type: none"> • Definition and concept of Preoperative nursing • Preoperative Phase <ul style="list-style-type: none"> o Preparation of patient for surgery • Intraoperative o Operation theatre set up and environment o Role of nurse o Postoperative phase o Recovery unit o Post operative unit o Post operative care • Wounds: types, classification, wound healing process, factors affecting wound, complications of wound healing • Surgical asepsis • Care of the wound: types, equipments, procedure and special considerations <ul style="list-style-type: none"> o Dressing, suture care o Care of Drainage o Application of Bandages binders Splints & Slings o Heat and cold therapy 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess with checklist and • Clinical practical examination
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XIV	15	<ul style="list-style-type: none"> • Explain care of patient having alterations in body functioning 	<p>Meeting special needs of the patient</p> <ul style="list-style-type: none"> • Care of patients having alterations in <ul style="list-style-type: none"> o Temperature (Hyper and hypothermia): types assessment, management o Sensorium (Unconsciousness); Assessment, Management o Urinary Elimination (retention and incontinence); Assessment, Management o Functioning of sensory organs: (Visual & Hearing impairment) o Assessment of self – care ability o Communication methods and special considerations o Mobility (physically challenged, cast), assessment of self-care ability; communication methods and special considerations o Mental state (mentally challenged), assessment of self-care ability o Communication methods and special considerations o Respiration (distress); Types, assessment, Management o Comfort – (pain) – Nature, types 	<ul style="list-style-type: none"> • Lecture discussion • Case Discussion • Supervised • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type
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			<p>factors influencing pain, coping assessment, management</p> <ul style="list-style-type: none"> o Treatments related to gastrointestinal system; naso-gastric suction, gastric irrigation, gastric analysis 		
XV	5	<ul style="list-style-type: none"> • Explain care of terminally ill patient 	<p>Care of Terminally ill patient</p> <ul style="list-style-type: none"> o Concepts of loss, grief, grieving process o Signs of clinical death o Care of dying patient: special considerations o Advance directives: euthanasia will, dying declaration, organ donation etc. o Medico-legal issues o Care of dead body equipment, procedure and care of unit o Autopsy o Embalming 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type
XVI	6	<ul style="list-style-type: none"> • Explain the basic concepts of conceptual and theoretical models of nursing 	<p>Professional Nursing concepts and practices</p> <ul style="list-style-type: none"> • Conceptual and theoretical models of nursing practice: Introduction to models-holistic model, health belief model, health promotion model etc. 	<ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> • Essay type • Short answers

			<ul style="list-style-type: none"> • Introduction to theories in nursing: Peplau's Henderson's Orem's Neuman's, Roger's and Roy's • Linking theories with nursing process 		
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Nursing foundation-Practical	
Practical	- 100 Marks
Internal Assessment	- 100 Marks
Total	- 200 Marks

Placement – First Year
Time: Practical-650 hours
(200 lab and 450 clinical)

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

Area	Time (Hrs.)	Learning Objectives	Skills	Assignments	Assessment methods
Demonstration Lab General Medical and surgery ward	200 450 minimum practice time in clinical area	<ul style="list-style-type: none"> • Performs admission and discharge procedure 	Hospital admission and discharge (III) <ul style="list-style-type: none"> • Admission • Prepare unit for new patient • Prepare admission bed • Performs admission procedure <ul style="list-style-type: none"> o New patient • Transfer in • Prepare patient record Discharge/Transfer out <ul style="list-style-type: none"> • Gives discharge counseling • Perform discharge procedure (planned discharge, LAMA 	<ul style="list-style-type: none"> • Practice in Unit/hospital 	<ul style="list-style-type: none"> • Evaluate with checklist • Assessment of clinical performance with rating scale • Completion of practical record

			and abscond, Referrals and transfers) <ul style="list-style-type: none"> • Prepare records of discharge/transfer • Dismantle, and disinfect unit and equipment after discharge / transfer 		
		<ul style="list-style-type: none"> • Prepare nursing care plan as per the nursing process format 	Perform assessment <ul style="list-style-type: none"> • History taking, nursing diagnosis, problem list, prioritization, Goals & expected outcomes, selection of Interventions • Write nursing care plan • Gives care as per the plan 	<ul style="list-style-type: none"> • Write nursing process records of patient • Simulated – I • Actual – I 	<ul style="list-style-type: none"> • Assessment of nursing process records with checklist • Assessment of actual care given with rating scale
		Communicate effectively with patient, families and team members and <ul style="list-style-type: none"> • Maintain 	Communication <ul style="list-style-type: none"> • Use verbal and non verbal communication techniques Prepare a plan for patient teaching session	<ul style="list-style-type: none"> • Role-plays in simulated situations on communication • Techniques – I • Health talk – I 	<ul style="list-style-type: none"> • Assess role plays with the checklist on communication techniques • Assess health talk with the checklist • Assessment of communications

		effective human relations			techniques by rating scale
		<ul style="list-style-type: none"> • Prepare patient reports • Presents reports 	Write patient report <ul style="list-style-type: none"> • Change – of shift reports, transfer reports, incident reports etc. • Presents patient report 	<ul style="list-style-type: none"> • Write nurses notes and present the patient report of 2-3 assigned patient 	<ul style="list-style-type: none"> • Assessment of performance with rating scale
		<ul style="list-style-type: none"> • Monitor vital signs 	Vital signs <ul style="list-style-type: none"> • Measure, records & interpret alterations in body temperature, pulse respiration & blood pressure 	<ul style="list-style-type: none"> • Lab practice • Measure vital signs of assigned patient 	Assessment of each skill with checklist Completion of activity record
		<ul style="list-style-type: none"> • Perform health assessment of each body system 	Health assessment <ul style="list-style-type: none"> • Health history taking • Perform assessment: <ul style="list-style-type: none"> o General o Body system • Use various methods of physical examination • Inspection, Palpation, Percussion, Auscultation, Olfaction • Identification of system wise deviations 		

		<ul style="list-style-type: none"> • Provide basic nursing care to patients 	<p>Prepare Patients unit:</p> <ul style="list-style-type: none"> • Prepare beds: <ul style="list-style-type: none"> o Open, closed, occupied, operation amputation o Cardiac, fracture, burn divided, & Fowlers bed • Pain assessment and provision for comfort <p>Use comfort devices Hygienic care:</p> <ul style="list-style-type: none"> • Oral hygiene: • Baths and care of pressure points • Hair wash, pediculosis treatment <p>Feeding:</p> <ul style="list-style-type: none"> • Oral, Enteral, Naso/Orogastric, Gastrostomy & Parenteral feeding • Naso-gastric insertion, suction, and irrigation <p>Assisting patient in urinary elimination</p> <ul style="list-style-type: none"> • Provides urinal/bed pan • Condom drainage 	<ul style="list-style-type: none"> • Practice in lab & hospital • Simulated exercise on CPR manikin 	<p>Assessment of each skill with rating scale•</p>
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			<ul style="list-style-type: none"> • Perineal care • Catheterization • Care of urinary drainage <p>Bladder irrigation Assisting bowel Elimination:</p> <ul style="list-style-type: none"> • Insertion of Flatus tube • Enemas • Insertion of suppository <p>Bowel Wash Body Alignment and Mobility</p> <ul style="list-style-type: none"> o Range of motion exercises o Positioning: recumbent, lateral (Rt/Lt), fowlers, sims, Lithotomy, Prone, Trendelenburg position o Assist patient in moving, lifting, transferring, walking o Restraints <p>Oxygen administration</p> <p>Suctioning: Oropharyngeal, (Rt/Lt) nasopharyngeal Chest physiotherapy & postural drainage care of chest drainage CPR-Basic life</p>		
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			<p>support Intravenous therapy Blood and blood component therapy, College/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids Perform lab tests:</p> <ul style="list-style-type: none"> • Urine; sugar, albumin, acetone • Blood: sugar (with strip/ gluco-meter) <p>Hot & cold applications: local and general sitz bath Communicating and assisting with self-care of visually & hearing impaired patients Communicating and assisting with self- Care of mentally challenged/ disturbed patients Recreational & diversional therapies Caring of patient with alteration in sensorium</p>		
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		<ul style="list-style-type: none"> • Perform infection control procedures 	<p>Infection control</p> <ul style="list-style-type: none"> • Perform following procedures: <ul style="list-style-type: none"> o Hand washing techniques o Simple, hand antiseptics and surgical antiseptics (scrub) • Prepare isolation unit in lab/ward o Practice technique of wearing and removing Personal Protective Equipment (PPE) o Practice standard safety precautions (Universal precautions) <p>Decontamination of equipment and unit:</p> <ul style="list-style-type: none"> • Surgical asepsis: <ul style="list-style-type: none"> o Sterilization o Handling sterilized equipment o Calculate strengths of lotions o Prepare lotions • Care of articles 	<ul style="list-style-type: none"> • Observation study -2 • Department of infection control & CSSD • Visits CSSD write observation report –I • Collection of samples for culture • Do clinical posting in infection control department and write report • Practice in lab/ward 	<ul style="list-style-type: none"> • Assess observations study with checklist • Evaluate all procedures with checklist
		<ul style="list-style-type: none"> • Provide care to pre and post operative 	<p>Pre and Post operative care:</p> <ul style="list-style-type: none"> • Skin preparations for surgery: local • Preparation of post operative unit 	<p>Department and write report.</p> <ul style="list-style-type: none"> • Practice in lab/ward 	

		<ul style="list-style-type: none"> patients • Perform procedures for care of wounds 	<ul style="list-style-type: none"> • Pre & Post operative teaching and counseling • Pre and post operative monitoring • Care of the wound: • Dressings: suture care, care of drainage, applications of bandages, binders splints & slings • Bandaging of various body parts 		
	100	<ul style="list-style-type: none"> • Administer drugs 	<p>Administration of medications</p> <ul style="list-style-type: none"> • Administer Medications in different forms and routes • Oral, sublingual and buccal • Parenteral: intradermal, subcutaneous, intramuscular etc. • Assist with intra venous medications • Drug measurements and dose calculations • Preparations of lotions and solutions • Administers topical applications 	<p>Department and write report</p> <ul style="list-style-type: none"> • Practice in lab/ward 	

			<ul style="list-style-type: none"> • Insertion of drug into body cavity: suppository & medicated packing etc. • Instillation of medicines and Spray into Ear, Eye, Nose and Throat • Irrigations: Eye, Ear, Bladder, Vagina and Rectum • Inhalations: dry and moist 		
		<ul style="list-style-type: none"> • Provide care to dying and dead • Counsel and support relatives 	<p>Care of dying patient</p> <ul style="list-style-type: none"> • Caring and packing of dead body • Counseling and supporting grieving relatives • Terminal care of the unit 		

NURSING FOUNDATION

Paper III

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine)5x7=35

Q.No.3 Short Answer type (10) 2x10=20

NURSING FOUNDATION

Paper III

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long essays (Attempt any Two) 10x2=20

(a) Define Enema. Write down the classification of Enema. Describe in detail soap and water enema.

(b) Define sterilization, Discuss different methods of sterilization. How rubber goods should be sterilized.

(c) (i) Define Health and explain Health-Illness continuum.

(ii) Discuss the concept of Health Promotion and levels of disease prevention.

Q.No.2 Short essays (Attempt any Seven) 5x7=35

(a) Nursing care of an unconscious patient.

(b) Qualities of a good nurse.

(c) Urine test for sugar.

(d) Intermittent fever. \

(e) Administration of oral medication

(f) Purposes of bed bath

(g) Principles of applying bandages.

(h) Prepare a mouth care tray

(i) Classification of Enema

Q.No.3 Short answers 2x10=20

(a) Define body temperature.

(b) Communication

(c) Nosocomial infection

(d) Profession

(e) Barrier nursing

(f) Iatrogenic Infection

(g) Pulse

(h) Blood pressure

(i) Nursing Definition

(j) Health Definition

(3040) PSYCHOLOGY

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs.

Placement – First Year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	<ul style="list-style-type: none"> Describe the history, scope and methods of psychology 	Introduction: <ul style="list-style-type: none"> History and origin of science of Psychology Definitions & scope of Psychology Relevance to nursing Methods of Psychology 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
II	4	<ul style="list-style-type: none"> Explain the biology of human behavior 	Biology of Behaviour <ul style="list-style-type: none"> Body mind relationship- modulation process in health and illness Genetics and behavior: Heredity and environment 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers

			<ul style="list-style-type: none"> Brain and behavior: Nervous system, Neurons and synapse Association cortex, Rt and Lt hemispheres Psychology of Sensations Muscular and glandular controls of behavior Nature of behavior of an organisms/integrated responses 		
III	20	<ul style="list-style-type: none"> Describe various cognitive processes and their applications 	Cognitive Processes <ul style="list-style-type: none"> Attentions: Types, determinants, duration & degree, alterations Perception: meaning, Principles factors affecting, errors Learning: Nature, types, learner and learning, factors influencing laws and theories, process, transfer, study habits Memory: Meaning, types Nature factors influencing, development theories and methods of memorizing and forgetting Thinking : types and levels, stages of development, relationship with language 	<ul style="list-style-type: none"> Lecture Discussion Psychometric assessment: Practice sessions 	<ul style="list-style-type: none"> Essay type Short answers

			<ul style="list-style-type: none"> and communication • Intelligence: meaning, classification, uses, theories • Aptitude: concept, types individual differences and variability • Psychometric assessment's of cognitive process • Alterations in cognitive processes • Applications 		
IV	8	<ul style="list-style-type: none"> • Describe motivation, emotions, stress, attitudes and their influence on behavior 	<p>Motivation and Emotional Processes:</p> <ul style="list-style-type: none"> • Motivation: Meaning, Concepts, types theories, Motives and behavior, conflicts and frustration, conflict resolution • Emotions & stress o Emotion; Definition, components changes in emotions, theories, emotional adjustments, emotions in health and illness • Stress: stressors, cycle, effect adaptation & coping • Attitude: meaning nature, development, factors 	<ul style="list-style-type: none"> • Lecture discussion • Role plays • Case discussion • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short answers

			<ul style="list-style-type: none"> affecting o Behavior and attitudes • Attitudinal change • Psychometric assessments of emotions and attitudes • Alterations in emotions • Applications 		
V	7	<ul style="list-style-type: none"> • Explain the concepts of personality and its influence on behavior 	<ul style="list-style-type: none"> • Personality • Definitions, topography, types, theories • Psychometric assessments of personality • Alterations in personality • Application 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short answers
VI	7	<ul style="list-style-type: none"> • Describe psychology of people during the life cycle 	<p>Developmental Psychology</p> <ul style="list-style-type: none"> • Psychology of people at different ages from infancy to old age • Psychology of vulnerable individuals-challenged, women, sick etc. • Psychology of groups 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion 	<ul style="list-style-type: none"> • Essay type • Short answers
VII	8	<ul style="list-style-type: none"> • Describe the characteristics of Mentally healthy person 	<p>Mental Hygiene and mental Health</p> <ul style="list-style-type: none"> • Concepts of mental hygiene and mental health 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Role play • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short answers

		<ul style="list-style-type: none"> • Explain ego defense mechanisms 	<ul style="list-style-type: none"> • Characteristics of mentally healthy person • Warning signs of poor mental health • Promotive & Preventive mental health strategies and services • Ego defense mechanisms and implications • Personal and social adjustments • Guidance and counseling • Role of nurse 		
VIII	4	<ul style="list-style-type: none"> • Explain Psychological assessments and role of nurse 	<p>Psychological assessment & tests</p> <ul style="list-style-type: none"> • Types, development characteristics, principles, Uses, Interpretations and role of nurse in psychological assessment 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice sessions 	<ul style="list-style-type: none"> • Assessment of practice

First Basic B.Sc. (Nursing)

Psych. - IV

3040

First Year Basic B.Sc Nursing (Main) Examination Month Year

PSYCHOLOGY

Paper IV

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

Q.No.1 Long essays (Attempt any Two) 10x2=20

- (a) Define psychology, write down methods of psychology. Describe in detail value of psychology in effective nursing?
- (b) Define personality & discuss abnormal types of personality?
- (c) (i) Define learning & explain laws of effective learning.
(ii) Discuss factors affecting learning process.

Q.No.2 Short essays (Attempt any Seven) 5x7=35

- (a) Emotion.
- (b) Mental conflict.
- (c) Mind-body relationship.
- (d) Scope of psychology.
- (e) The nervous system in health & illness.
- (f) Intelligence.
- (g) Frustration.
- (h) Characteristics of mentally healthy individual.
- (i) Types of memory.

Q.No.3 Short answers 2x10=20

- (a) Drives & motives.
- (b) Mental health & mental hygiene.
- (c) Development of attitudes.
- (d) Nature & types of stress.
- (e) Functions of sense organs.
- (f) Definition of Learning
- (g) Motivation
- (h) Personality
- (I) Attitude
- (j) Perception

(3050) MICROBIOLOGY

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs. (Theory)

Placement – First Year

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 and community settings.

Unit	Time (Hrs.)	Pr.	Learning Objectives	Content	Teaching Learning Activities	Evaluation
I	5		<ul style="list-style-type: none"> Explain concepts & principles of Microbiology and their importance in nursing 	Introduction: <ul style="list-style-type: none"> Importance and relevance to nursing Historical perspective Concepts and terminology Principles of microbiology 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type
II	10	5	<ul style="list-style-type: none"> Describe structure, classification morphology and growth of bacteria Identify micro-organisms 	General characteristics of Microbes <ul style="list-style-type: none"> Structure & classification of microbes Morphological types Size & form of bacteria Motility Colonization 	<ul style="list-style-type: none"> Lecture Discussion Demonstration 	<ul style="list-style-type: none"> Short answers Objective type

				<ul style="list-style-type: none"> • Growth & nutrition of microbes <ul style="list-style-type: none"> o Temperature o Moisture o Blood body fluids • Laboratory methods for identification of micro-organisms • Staining, techniques, Gram staining, Acid fast staining, hanging drop preparation • Culture, various medias 		
III	10	2	<ul style="list-style-type: none"> • Describe the methods of infection control • Identify the role of nurse in hospital Infection control programme 	<p>Infection control</p> <ul style="list-style-type: none"> • Infection: sources, portals of entry and exit, transmission • Asepsis • Disinfection; types and methods • Sterilization; types and methods • Chemotherapy & antibiotics • Standard safety measures • Biomedical waste management • Role of nurse • Hospital acquired infection • Hospital infection control 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Visits to CSSD • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type

				<p>programme</p> <ul style="list-style-type: none"> • Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc. 		
IV	12	4	<ul style="list-style-type: none"> • Describe the different disease producing organisms 	<p>Pathogenic Organisms</p> <ul style="list-style-type: none"> • Micro-organisms <ul style="list-style-type: none"> o Cocci-gram positive & gram negative o Bacilli – gram positive & gram negative o Spirochaete • Mycoplasma o Rickettsiae • Chlamydiae • Viruses • Fungi-superficial and deep mycoses • Parasites • Rodents & vectors • Characteristics, source, portal of entry, transmission of infection • Identification of disease 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type

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

First Basic B.Sc. (Nursing)
3050

Micro. - V

First Year Basic B.Sc Nursing (Main) Examination Month Year

MICROBIOLOGY

Paper V

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

Q.No.1 Long essays (Attempt any Two) 10x2=20

- Define Microbiology, Describe morphology of bacteria?
- Define sterilization. Explain moist heat method of sterilization?
- Define Infection. Describe infection control programme?

Q.No.2. Short essays (Attempt any Seven) 5x7=35

- Hospital acquired infection.
- Bio-Medical waste management.
- Standard safety measures.
- Laboratory diagnosis of staphylococcus.
- Laboratory diagnosis of Vibrio-cholera.
- Difference between Endotoxin & Exotoxin.
- Growth & Nutrition curve.
- Hyper sensitivity skin left.
- Immunization schedule.

Q.No.3. Short answers 2x10=20

- List down gram positive bacteria.
- Define immunity.
- List down communicable diseases.
- Define colonization.
- Define disinfection.
- Disinfectant
- Antiseptic
- Classification of Virus
- Classification of immunity
- Hypersensitivity

(3070) ENGLISH

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs. (Theory)
Minimum Marks	-	40

Placement – First Year

Course Description: The Course is designed as under.

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10		<ul style="list-style-type: none"> Building Phonetics Public Speaking 	<ul style="list-style-type: none"> Conservation Exercise on use of Grammar Practice in Public speaking 	<ul style="list-style-type: none"> Objective Type Fill in the blanks Para phrasing
II	30	<ul style="list-style-type: none"> Develop ability to read, understand and express meaningfully, the prescribed text 	<ul style="list-style-type: none"> Read and comprehend prescribed course books 	<ul style="list-style-type: none"> Exercise on: <ul style="list-style-type: none"> Reading Summarizing Comprehension 	<ul style="list-style-type: none"> Short Answers Essay Type
III	10	<ul style="list-style-type: none"> Develop writing skills 	<ul style="list-style-type: none"> Various forms of composition Letter writing Note taking Precise writing 	<ul style="list-style-type: none"> Exercises on writing Letter writing Nurses Notes Precise Diary 	<ul style="list-style-type: none"> Assessment of the skill based on the check list

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> Nurses notes Anecdotal records Diary writing Reports on health problems etc. Resume / CV 	<ul style="list-style-type: none"> Anecdote Health problems Story writing Resume / CV Essay writing Discussion on written reports / documents 	
IV	6	<ul style="list-style-type: none"> Develop skill in spoken English 	Spoken English <ul style="list-style-type: none"> Oral report Discussion Debate Telephonic conversation 	<ul style="list-style-type: none"> Exercise on: Debating Participating in seminar, panel, symposium Telephonic conversation 	<ul style="list-style-type: none"> Assessment of the skills based on check list
V	4	<ul style="list-style-type: none"> Develop skill in listening comprehension 	Listening comprehension Media, audio, video, speeches etc.	<ul style="list-style-type: none"> Exercise on: Listening to audio, video tapes and identify the key points 	<ul style="list-style-type: none"> Assessment of the skill based on the check list

* To enable students to enhance their ability to comprehend spoken & written English (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical & classroom experiences.

Recommended Book - ESSENTIAL LANGUAGES SKILLS



First Basic B.Sc. (Nursing)
3070

Eng. - VI

First Year Basic B.Sc Nursing (Main) Examination Month Year

ENGLISH

Paper VI

Time: Three Hours

Maximum Marks: 75

As per pre decided University pattern

पूर्णांक: 75
सत्रांक : 25
योग : 100
समय: 3 घण्टे
न्यूनतम उत्तीर्णांक : 40

नोट : 40 से कम अंक आने पर छात्रों को उत्तीर्ण नहीं किया जायेगा। इस प्रश्न-पत्र में प्राप्त अंकों को श्रेणी निर्धारण हेतु नहीं जोड़ा जायेगा।
अंक विभाजन - प्रश्न-पत्र में दो भाग होंगे - 1. साहित्य खण्ड 39 अंक 2. व्याकरण खण्ड 36 अंक।

1. साहित्य खण्ड - गद्य - पद्य की निर्धारित रचनाएं।

● गद्य भाग - निम्नलिखित पाठ निर्धारित हैं -

1. एक दुराशा - बाल मुकुन्द गुप्त - निबंध (व्यंग्य विनोद)
2. शिरीष के फूल - हजारी प्रसाद द्विवेदी - ललित निबन्ध
3. हरी हरी दूब और लाचार क्रोध - कु.ना. राय - ललित निबन्ध
4. सिस्तर का वास्ते - महादेवी वर्मा - रेखाचित्र
5. महाराजपुर से ग्वारी घाट - अमृतलाल वेगड़ - यात्रा वृत्तांत
6. इंस्पेक्टर मातादीन चांद पर - हरिशंकर परसाई - व्यंग्य
7. उजाले के मुसाहिब - विजयदान देथा - कहानी
8. मैं और मौ - कन्हैया लाल मिश्र प्रभाकर - रिपोर्टाज
9. ब्रह्माण्ड को टटोलता हुआ सपुर जीनियस - दिनेश रावत - वैज्ञानिक निबंध
10. बलवान से भिड़न्त - गाँधी जी की आत्मकथा से।

● पद्य भाग - निम्नांकित कविताएं निर्धारित हैं -

1. मैथिलीशरण गुप्त - भूलोक का गौरव.... अमल आभास में (भारत - भारती से)
2. सुमित्रानंदन पंत - बापू तथा प्रथम रश्मि
3. सूर्यकांत त्रिपाठी निराला - जागो फिर एक बार तथा तोड़ती पत्थर
4. रामधारी सिंह दिनकर - हिमालय के प्रति तथा बेधिसत्व
5. हरिवंश राय बच्चन - पथ की पहचान तथा लेहरों में निमंत्रण
6. केदारनाथ अग्रवाल - जब जब मैंने उसको देखा तथा यह धरती उस किसान की
7. सुभद्रा कुमार चौहान - झाँसी की रानी तथा प्रभु तुम मेरे मन की जानो
8. भवानी प्रसाद मिश्र - गीतफरोश तथा सतपुड़ा के घने जंगल
9. नागार्जुन - कालिदान के प्रति तथा प्रेत का बयान
10. ताराप्रकाश जोशी - आ रे आ बादल तथा प्राणों में यदि पाहुन होते

2. व्याकरण खण्ड - निबंध, संक्षेपण, पल्लवन, पारिभाषिक शब्दावली, (मानविकी, विज्ञान और वाणिज्य से संबंधित) लोकोक्ति, मुहावरे, शुद्धीकरण, पत्र -लेखन, प्रतिवेदन, उपसर्ग, प्रत्यय, पर्याय, विलोम, अनेकार्थी शब्द, समश्रुतु और अनेक शब्दों के लिए एक शब्द।

निर्धारित पुस्तक :-

गद्य प्रवाह
काव्य धारा

- लेखक डा. राजेश अनुपम
- लेखक डा. राजकुमार सिंह परमार

(3060) INTRODUCTION TO COMPUTERS

(Non University Exam.)

Theory and Practical exams for introduction to computer to be conducted as College exam and marks to be sent to the University for Inclusion in the mark sheet.

Placement – First Year

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

Unit	Time (Hrs.)	Pr.	Learning Objectives	Content	Teaching Learning Activities	Evaluation
I	3		<ul style="list-style-type: none"> Identify & define various concepts used in computer Identify application of computer in nursing 	Introduction: <ul style="list-style-type: none"> Concept of computers Hardware and software trends and technology Application of computers in nursing 	<ul style="list-style-type: none"> Lecture Discussion Demonstration 	<ul style="list-style-type: none"> Short answers Objective type
II	6	20	<ul style="list-style-type: none"> Describe and use the disk operating system Demonstrate skill in the use of MS office 	<ul style="list-style-type: none"> Introduction to disk-operating system <ul style="list-style-type: none"> o DOS Introduction <ul style="list-style-type: none"> o MS – word o MS – Excel with pictorial presentation <ul style="list-style-type: none"> o MS – Access o MS – Power Point 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice session 	<ul style="list-style-type: none"> Short answers Objective type Practical Exam

(3210) SOCIOLOGY

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs. (Theory)

Placement – Second Year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	1	<ul style="list-style-type: none"> State the importance of Sociology in Nursing 	Introduction: <ul style="list-style-type: none"> Definition of Sociology Nature & scope of the discipline Importance and application of sociology in nursing 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Lecture Discussion
II	3	<ul style="list-style-type: none"> Describe the interrelationship of individual in society and community 	<ul style="list-style-type: none"> Individual & Society Society and community Nature of society Difference between society and community Process of socialization and individualization Personal disorganization 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Lecture Discussion

III	3	<ul style="list-style-type: none"> Describe the influence of culture on health and disease 	Culture <ul style="list-style-type: none"> Nature of culture Evolution of culture Diversity and uniformity of culture Culture and socialization Transcultural society Influence on health and disease 	<ul style="list-style-type: none"> Lecture discussion Panel discussion 	<ul style="list-style-type: none"> Essay type Short answers
IV	4	<ul style="list-style-type: none"> Identify various social groups and their interactions 	Social group and processes <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short answers
V	6	<ul style="list-style-type: none"> Explain the growth of population in India and its impact on health 	Population <ul style="list-style-type: none"> Society and population Population distribution in India-Demographic 	<ul style="list-style-type: none"> Lecture Discussion Community identification 	<ul style="list-style-type: none"> Essay type Short answers

			<ul style="list-style-type: none"> characteristics Malthusian theory of population Population explosion in India and Its impact on health status Family welfare programmes 		<ul style="list-style-type: none"> Assessment of report on community identification
VI	5	<ul style="list-style-type: none"> Describe the institutions of family and marriage in India 	<p>Family and Marriage</p> <ul style="list-style-type: none"> Family-functions Types-Joint, Nuclear, Blended and extended family characteristics The Modern family – Changes Problems – dowry etc, welfare services Changes & legislations on family and marriage in India – marriage acts Marriage: forms and functions of marriage Marriage and family problems in India Family, marriage and their influence on health and health practices 	<ul style="list-style-type: none"> Lecture Discussion Family care study 	<ul style="list-style-type: none"> Essay type Short answers Assessment of report on community identification

VII	7	<ul style="list-style-type: none"> Describe the class and caste system and their influence on health and health practice 	<p>Social Stratification</p> <ul style="list-style-type: none"> Meaning & types of social stratification The Indian Caste system – origin & features Features of caste in India today Social class system and status Social mobility–meaning & types Race as a biological concept, criteria of racial classification Salient features of primary races, racism Influence of class, caste & race on health & health practices 	<ul style="list-style-type: none"> Lecture discussion Community survey 	<ul style="list-style-type: none"> Essay type Short answers Assessment of report on community survey
VIII	6	<ul style="list-style-type: none"> Describe the types of communities in India, their practices and the impact on health 	<p>Types of communities in India (Rural, Urban and Regional)</p> <ul style="list-style-type: none"> Features of village community & characteristics of Indian villages- Panchayat system, social dynamics Community development project & planning Changes in Indian Rural life Availability of health facilities in rural and its impact on health and health 	<ul style="list-style-type: none"> Lecture discussion Visits to rural and urban community Community survey 	<ul style="list-style-type: none"> Essay type Short answers Assessment of report on community Survey

			<p>practices</p> <ul style="list-style-type: none"> • Urban-community – features • The growth of cities: • Urbanization and its impact on health and health practices • Major urban problems – urban slums • Region : Problems and impact on health 		
IX	4	<ul style="list-style-type: none"> • Explain the process of social change 	<ul style="list-style-type: none"> • Social change • Nature and process of social change • Factors influencing social change: cultural change, cultural lag. • Introduction to theories of social change: Linear, Cyclical, Marxian, Functional role of nurse-change agents 	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> • Essay type • Short answers
X	4	<ul style="list-style-type: none"> • Describe the social system and inter-relationship of social organizations 	<p>Social organization and social system</p> <ul style="list-style-type: none"> • Social organization: elements types • Democratic and authoritarian modes of participation • Voluntary associations • Social system: definitions and types of social system 	<ul style="list-style-type: none"> • Lecture Discussion • Observation visits 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of visit reports

			<ul style="list-style-type: none"> • Role and status as structural elements of social system • Inter-relationship of institutions 		
XI	2	<ul style="list-style-type: none"> • Explain the nature and process of social control 	<p>Social control</p> <ul style="list-style-type: none"> • Nature and process of social control • Political, Legal, Religious, Educational, Economic, Industrial and Technological systems, Norms & Values-Folkways & Mores customs, Laws and fashion • Role of nurse 	<ul style="list-style-type: none"> • Lecture Discussion • Community survey 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of report on community survey
XII	15	<ul style="list-style-type: none"> • Describe the role of the nurse in dealing with social problems in India 	<p>Social Problems</p> <ul style="list-style-type: none"> • Social disorganization • Control & planning poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: elderly, handicapped, minority groups and other marginalized groups, child labour, child, abuse, delinquency and crime, substance abuse, HIV/AIDS. • Social welfare programmes in India • Role of nurse 	<ul style="list-style-type: none"> • Lecture discussion • Institutional visits 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of visit reports

3210

Second Year Basic B.Sc Nursing (Main) Examination Month

Year

SOCIOLOGY**Paper I**

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

3210

Second Year Basic B.sc Nursing (Main) Examination Month

Year

SOCIOLOGY**Paper I**

Time: Three Hours

Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two)

10x2=20

- (a) Define Sociology. Explain sociology in nursing.
- (b) Define social group and enlist the characteristics of social group.
- (c) What is poverty? Explain anti-poverty programme in India.

Q.No.2. Short essays (Attempt any Seven)

5x7=35

- (a) Society
- (b) Culture
- (c) Rural Community
- (d) Crowd
- (e) Difference between society and community
- (f) Features of urban community
- (g) Marriage
- (h) Malthusian theory of population
- (i) Criticism of optimum theory

Q.No.3. Short answers

2x10=20

- (a) Folkways
- (b) Mores
- (c) Custom
- (d) Diversity of culture
- (e) Family
- (f) Conflict
- (g) Family welfare activity
- (h) Hindu marriage act
- (I) Polygamy
- (j) Social disorganisation

(3220) MEDICAL SURGICAL NURSING – I
(Adult including Geriatrics)

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Practical	-	100 Marks
Internal Assessment	-	100 Marks
Total	-	300 Marks
Duration	-	3 Hrs. (Theory)

Placement – Second Year

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 setting and at home.

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<ul style="list-style-type: none"> Appreciate the trends in medical and surgical nursing Describe the role of a nurse in caring for adult patient in hospital and community Describe the concept of medical surgical asepsis 	<p>Introduction :</p> <ul style="list-style-type: none"> Introduction to medical surgical nursing Evolution and trends of medical and surgical nursing Review of concepts of Health and illness diseases-concepts, causations, classification-international classification disease (ICD-10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with checklist

			<ul style="list-style-type: none"> Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process. Role of nurse, patient and family in care of adult patient Role & responsibilities of a nurse in medical surgical setting: <ul style="list-style-type: none"> Outpatient department In patient unit Intensive care unit Home and community settings Introduction to medical surgical asepsis <ul style="list-style-type: none"> Inflammation and infection immunity Wound healing Care of surgical patient <ul style="list-style-type: none"> Pre-operative Intra operative Post operative 		
II	15	<ul style="list-style-type: none"> Describe the common signs, symptoms, problems and their specific nursing interventions 	<p>Common signs and symptoms and management</p> <ul style="list-style-type: none"> Fluid and electrolyte imbalance Vomiting 	<ul style="list-style-type: none"> Lecture Discussion Seminar Case discussion 	<ul style="list-style-type: none"> Short answers Objective type

			<ul style="list-style-type: none"> • Dyspnea and cough, respiratory obstruction • Fever • Shock • Unconsciousness, Syncope • Pain • Incontinence • Edema • Age related problems – geriatric 		
III	20	<ul style="list-style-type: none"> • Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems 	<p>Nursing management of patients (adult including elderly) with respiratory problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Nursing Assessment – History & physical assessment • Etiology, Patho-physiology, clinical manifestation • Diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with <ul style="list-style-type: none"> o Upper respiratory tract 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Drug book • Presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of patient management problem

			<ul style="list-style-type: none"> infections Bronchitis o Asthma o Emphysema o Atelectasis o Chronic Obstructive Pulmonary Disease (COPD) o Bronchiectasis o Pneumonia o Pulmonary tuberculosis o Lung abscess o Pleural effusion o Cysts and tumours o Chest injuries o Respiratory arrest and insufficiency o Pulmonary embolism o Special therapies, alternative therapies o Nursing procedures o Drugs used in treatment of respiratory disorders 		
IV	30	<ul style="list-style-type: none"> • Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults 	<p>Nursing management of patient (adults including elderly) with disorders of digestive system</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of digestive system 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with

		including elderly) with disorders of digestive system	<ul style="list-style-type: none"> • Nursing Assessment – History and Physical Assessment • Etiology, Pathophysiology, clinical manifestation, • Diagnosis, treatment modalities and medical , surgical , dietetics & nursing management • Disorders of Oral cavity- lips, gums, tongue, salivary glands and teeth Oesophagus-inflammation, stricture, obstruction, bleeding and tumours of stomach and deudenum – hiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis o Small intestinal disorder- inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation o Large intestinal disorders- colitis, inflammation and infection. Obstruction, tumour and lump hernias o Appendix – inflammation, 	<ul style="list-style-type: none"> • Health education • Supervised clinical practice • Drug book • Presentation 	<ul style="list-style-type: none"> checklist • Assessment of patient management problem
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			<ul style="list-style-type: none"> mass abscess, rupture o Anal & Rectum; Hemorrhoides, fissures fistulas o Peritonitis/acute abdomen o Pancreas; inflammation, cyst abscess and tumours o Liver; inflammation, cyst abscess, cirrhosis, portal, hypertension, hepatic failure, tumours o Gall Bladder ,inflammation, obstruction, stones and turmour • Special therapies, alternative therapies • Nursing procedures • Drugs used in treatment of disorders of digestive system 		
V	30	<ul style="list-style-type: none"> • Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adult 	<p>Nursing management of patient (adult including elderly) with blood and cardio vascular problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of blood and cardio vascular system 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with

	<p>including elderly) with blood and cardio vascular problems</p> <ul style="list-style-type: none"> • Describes the vascular conditions and its nursing management 	<ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of <ul style="list-style-type: none"> • Vascular system <ul style="list-style-type: none"> o Hypertension, hypotension o Arteriosclerosis o Raynaud's diseases o Aneurism and Peripheral vascular disorders <p>Heart</p> <ul style="list-style-type: none"> • Coronary artery diseases <ul style="list-style-type: none"> o Ischemic heart diseases o Coronary atherosclerosis o Angina pectoris o Myocardial infarction • Valvular disorders of the heart <ul style="list-style-type: none"> o Congenital and acquired o Rheumatic heart disease • Endocarditis, Pericarditis Myocarditis • Cardio Myopathies • Cardiac dysrhythmias, heart block 	<ul style="list-style-type: none"> • Health education • Supervised clinical practice • Drug book • Presentation • Visit to blood bank • Participation in blood donation camps • Counseling 	<p>checklist</p> <ul style="list-style-type: none"> • Assessment of patient management problem
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		<ul style="list-style-type: none"> • Congestive cardiac failure - Cor-pulmonale, pulmonary, edema, cardiogenic shock, cardiac tamponade • Cardiac emergencies and arrest • Cardio Pulmonary Resuscitation (CPR) • Blood <ul style="list-style-type: none"> o Anaemias o Polycythemia o Bleeding disorders; clotting factor defects and platelet defects o Thalassemia o Leukaemias o Leukopenias and agranulocytosis o Lymphomas o Myelomas • Special therapies <ul style="list-style-type: none"> o Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion. o Management and counseling of blood donors, phlebotomy procedure, and post donation 		
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			<p>management, Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion</p> <ul style="list-style-type: none"> o Role of a nurse in organ donation retrieval and banking • Alternative therapies • Nursing procedures • Drugs used in treatment of blood and cardio vascular disorders 		
VI	10	<ul style="list-style-type: none"> • Describe the etiology , patho-physiology, clinical manifestations, diagnostic measures and Management of patients (adults including elderly) with disorders of genitor – urinary systems 	<p>Nursing management of patient (adult including elderly) with genitor-urinary problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of genitor-urinary system • Nursing Assessment – History and Physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Drug book • Presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of patient management problem

			<p>surgical, dietetics & nursing management of</p> <ul style="list-style-type: none"> • Nephritis • Nephritic syndrome • Nephrosis • Renal calculus • Tumours • Acute renal failure • Chronic renal failure • End stage renal disease • Dialysis, renal transplant • Congenital disorder, urinary infections • Benign prostrate hypertrophy • Disorders of ureter, urinary bladder and urethra-inflammation, infection, structure, obstruction, tumour prostrate • Special therapies, alternative therapies • Nursing procedures • Drugs used in treatment of genitor – urinary disorders 		
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VII	5	<ul style="list-style-type: none"> Describe the etiology, patho-physiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive systems 	<p>Nursing management of disorders of male (adults including elderly) reproductive system</p> <ul style="list-style-type: none"> Review of anatomy and physiology of male reproductive system Nursing Assessment – History and physical assessment Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical dietetics & nursing management of disorders of male reproductive system Congenital malformations; cryptorchidism Hypospadiasis, Epispadiasis Infections Testis and adjacent structures Penis Prostate: inflammation, infection, hypertrophy, tumour Sexual dysfunctions Infertility 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussion Seminar Health education Supervised clinical practice Drug book Presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with checklist Assessment of patient management problem
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			<ul style="list-style-type: none"> Contraception Breast: gynecomastia, tumour Climactic changes Special therapies, alternative therapies Nursing procedures Male reproductive system 		
VIII	10	<ul style="list-style-type: none"> Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system 	<p>Nursing management of patients (adults including elderly) with disorders of endocrine system</p> <ul style="list-style-type: none"> Review of anatomy and physiology of endocrine system Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestation, diagnosis treatment modalities and medical, surgical, dietetics & nursing management of- <ul style="list-style-type: none"> Disorders of Thyroid and Parathyroid Diabetes Diabetes insipidus 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussion Seminar Health education Supervised clinical practice Drug book Presentation 	<ul style="list-style-type: none"> Essay type Short answers Assessment of skills with checklist Assessment of patient management problem

			Adrenal tumour Pituitary disorders <ul style="list-style-type: none"> • Special therapies, alternative therapies • Nursing procedures • Drugs used in treatment of disorders of endocrine system 		
IX	10	<ul style="list-style-type: none"> • Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin 	Nursing management of patients (adult including elderly) with disorders of Integumentary system <ul style="list-style-type: none"> • Review of anatomy and physiology of skin and its appendages • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of skin and its appendages- <ul style="list-style-type: none"> o Lesions and abrasions o Infection and infestations, dermatitis o Dermatoses; infectious and 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Drug book • Presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of skills with checklist • Assessment of patient management problem

			non infectious “Inflammatory dermatoses” <ul style="list-style-type: none"> o Acne Vulgaris o Allergies and Eczema o Psoriasis o Malignant melanoma o Alopecia • Special therapies, alternative therapies • Nursing procedures • Drugs used in treatment of disorders of integumentary system 		
X	15	<ul style="list-style-type: none"> • Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo-skeletal system 	Nursing management of patients (adults including elderly) with musculoskeletal problems <ul style="list-style-type: none"> • Review of anatomy and physiology of musculoskeletal system • Nursing Assessment-History and Physiology assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Drug book • Presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of patient management problem

			<p>surgical, dietetics & nursing management of</p> <ul style="list-style-type: none"> • Disorders of : <ul style="list-style-type: none"> o Muscles, Ligaments & joints- inflammation , infection, trauma o Bones – inflammation, infection, dislocation, fracture, tumor and trauma • Osteomalacia and osteoporosis o Arthritis <ul style="list-style-type: none"> Congenital deformities Spinal column – defects and deformities, tumor, prolapsed inter vertebral disc, pott’s spine Paget’s disease • Amputation • Prosthesis • Transplant & replacement surgeries • Rehabilitation • Special therapies, alternative therapies • Nursing procedures • Drugs used in treatment of disorders of musculoskeletal system 	
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XI	10	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and management of patients (adults including elderly) with disorders of immunological system 	<p>Nursing management of patients (adults including elderly) with Immunological problems</p> <ul style="list-style-type: none"> • Review of immune system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of – <ul style="list-style-type: none"> • Immunodeficiency disorders • Primary immune deficiency • Phagocytic dysfunction • B-Cell and T-Cell deficiencies • Secondary Immunodeficiency • Acquired Immunodeficiency Syndrome (AIDS) • Incidence of HIV & AIDS • Epidemiology • Transmission-Prevention of Transmission • Standard safety precautions • Role of Nurse; counseling • Health education and home care consideration 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist
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			<ul style="list-style-type: none"> • National AIDS Control Program-NACO various national and international agencies • Infection control program • Rehabilitation • Special therapies, alternative therapies • Nursing procedure • Drugs used in treatment of disorders of immunological system 	<ul style="list-style-type: none"> • Supervised clinical practice • Drug book • Presentation • Orientation visit to hospital infection 	<ul style="list-style-type: none"> • Assessment of patient management problem
XII	20	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of Patients (adults including elderly) with communicable disease 	<p>Nursing management of patients (adults including elderly) with Communicable diseases</p> <ul style="list-style-type: none"> • Overview of infectious disease, the infectious process • Nursing Assessment – History and Physical assessment • Epidemiology, infectious process, clinical Manifestation, dietetics, treatment, prevention and Dietetics, control and eradication of common communicable diseases 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice Session • Case discussions • Seminar • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of patient management problem

			<ul style="list-style-type: none"> o Tuberculosis Diarrhoeal diseases, Hepatitis A-E, Herpes, Chickenpox Small Pox, Typhoid o Meningitis, Gas gangrene Leprosy, Dengue o Plague, Malaria, Diphtheria Pertussis, Poliomyelitis o Measles Mumps, Influenza, Tetanus Yellow fever Filariasis -HIV, AIDS • Reproductive Tract Infections • Special infection control measures: Quarantine, Immunization, infectious disease Hospitals • Special Therapies, alternative therapies • Nursing procedures • Drugs used in treatment of communicable diseases 		
XIII	25	<ul style="list-style-type: none"> • Describe the organization and physical set up of operation theatre 	<p>Peri operative nursing</p> <ul style="list-style-type: none"> • Organisation and physical set up of the operation theatre (OT): - classification 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective

	<ul style="list-style-type: none"> • Identify the various instruments and equipments used for common surgical procedures • Describe the infection control measures in the operation theatre • Describe the role of the nurse in the Peri Operative nursing care 	<ul style="list-style-type: none"> - 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 - Equipments - 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 sterilisation - B i o m e d i c a l w a s t e management Prevention of accidents and hazards in O.T. • Anaesthesia • Types - 	<ul style="list-style-type: none"> • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> type • Assessment of skills with checklist
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		<p>Methods of administration- Effects and stages- Equipments- Drugs</p> <ul style="list-style-type: none"> • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal aspects 		
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MEDICAL SURGICAL NURSING - I (PRACTICAL)
(Adult including Geriatrics)

Practical - 100 Marks
Internal Assessment - 100 Marks
Total - 200 Marks

Placement- Second Year

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

Area	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
General Medical Ward (* Respirator, GI, Endocrine, Renal, Hematology)	6	<ul style="list-style-type: none"> • Provide nursing care to adult patients with medical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of the patient - Taking history perform general & specific physical examination. Identify alterations & deviations - Practice medical surgical asepsis-standard safety measures - Adminster medications: Oral, IV, IM, Subcutaneous - IV therapy - IV canulation - Maintenance & motoring 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with ckecklist • Evaluation of case study / presentation • Completion of activity record

			<ul style="list-style-type: none"> • Oxygen therapy by different methods • Nebulization • Chest physio therapy • Naso gastric feeding • Assist in common diagnostic procedures • Perform / assist in the therapeutic procedures • Blood & component therapy • Throat suctioning • Collect specimens for common investigations • Maintain elimination - Catheterisation - Bowel wash Enema Urinary drainage • Maintain intake, output and documentation • Counsel and teaching related to specific disease conditions 		
General Surgical ward (GI, Urinary, CTVS)	6	<ul style="list-style-type: none"> • Provide pre & post operative nursing care to adult 	<ul style="list-style-type: none"> • Practice medical surgical asepsis-standard safety measures • Pre operative preparation of patients 	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan-2 • Nursing case study / presentation-1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale

		<p>patients with surgical disorders</p> <ul style="list-style-type: none"> • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Post operative care-receiving pt, assessment, monitoring, care • Care of wounds & drainage • Suture removal • Ambulation & exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care Gastrostomy <ul style="list-style-type: none"> - Colostomy, Enterostomy • Blood and component therapy • Practice universal precautions 		<ul style="list-style-type: none"> • Assess each skill with ckecklist • Evaluation of case study / presentation • Completion of activity record
Cardiology ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with cardiac disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Physical examination of the cardio vascular system recording and interpreting ECG • Monitoring of patients • Preparation and assisting in non-invasive & invasive diagnostic procedures. • Administer cardiac drugs • Cardio Pulmonary Resuscitation • Teach patients & families • Practice medical and surgical asepsis standard safety measures 	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan-2 • Nursing case study / presentation-1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with ckecklist • Evaluation of case study / presentation • Completion of activity record

Skin & Communicable diseases ward	1	<ul style="list-style-type: none"> • Identify skin problems • Provide nursing care to patients with skin disorders & communicable disease • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of patient with skin disorders • Assist in diagnostic & therapeutic procedures • Administer topical medication • Practice medical surgical asepsis-standard safety measures • Use of Personal Protective Equipment (PPE) • Give medicated baths • Counseling HIV positive patients • Teach prevention of infectious diseases. 	<ul style="list-style-type: none"> • Plan & give care to 2-3 assigned patients • Health talk / counseling HIV positive patients and families -1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of health talk / counseling session • Completion of activity record.
Orthopaedic ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with musculoskeletal disorders • Counsel and 	<ul style="list-style-type: none"> • Assessment of orthopaedic patients • Assist in application of plaster cast and removal of cast. • Apply skin tractionbuck's extension traction. • Assist in application & removal of prosthesis • Physiotherapy -Range of motion exercises (ROM), 	<ul style="list-style-type: none"> • Plan & give care to 2-3 assigned patients • Nursing care plan-1 • Nursing case study / presentation-1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of nursing care plan and nursing case / study / present-action

		educate patients and families	muscle strengthening exercises <ul style="list-style-type: none"> • Crutch maneuvering technique. • Activities of daily living • Ambulation • Teach and counsel patients and families 		<ul style="list-style-type: none"> • Completion of activity record
Operation Theatre	6	<ul style="list-style-type: none"> • Identify instruments used in common operations • Participate in infection control practices in the operation theatre • Set-up the table/trolley for common operative procedures 	<ul style="list-style-type: none"> • 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 • Prepare the OT table depending upon the operation • Positioning and monitoring of patients • Endotracheal intubation • Assisting in minor and major operations • Handling specimens • Disposal of waste as per the guideline 	<ul style="list-style-type: none"> • Assist as a circulatory nurse in • Major case-10 • Minor cases-5 • Assist as a scrub nurse in • Major cases – 10 • Minor cases – 5 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Completion of activity record

		<ul style="list-style-type: none"> • Assist in giving anesthesia • Assist in the operative procedures • Provide peri operative nursing care 			
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Internship

Area	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
ICU, CCU, CARDIAC OT.	2	<ul style="list-style-type: none"> To gain proficiency in ICU nursing Develop advance skill in Special procedures used in critical care unit. Identify potential problems and provide accordingly. Skill in setting and handling ventilator. 	<ul style="list-style-type: none"> Assist in arterial puncture for blood gas analysis Perform ECG and interpret accordingly. Conduct and analyse pulse oximetry. Care with artificial airway. Assist in endotracheal intubation Setting up ventilator Giving care in ventilator Drug sheet. Observation of special procedure in O.T. 	<ul style="list-style-type: none"> Arterial puncture-5 Taking out ECG stripe – 5 Tracheal suction-5 For all assigned patients Oxygen administration by CPAP mask and use Ambu bag. Assessment for all assigned patients. Nursing care in ventilator Drug sheet 	<ul style="list-style-type: none"> Record book Checking With supervisor

Internship

Area	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> Administer injection in infusion pump. Record accurately findings and medications Develop IPR with family members. Acquaint with OT technique 			
Neuro ICU, ITU, OT	2	<ul style="list-style-type: none"> Develop skill in neurological assessment, Give care to the 	<ul style="list-style-type: none"> Assess neurological status Implement care to head injury, spinal injury patients. Drug sheet. Pre and postoperative care with neuro surgery patients. 	<ul style="list-style-type: none"> Assessment for all assigned patients. Nursing care plan-2 Drug sheet 	<ul style="list-style-type: none"> Record book Observation Checklist

Internship

Area	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
		<p>pt with head injury and spinal Injury.</p> <ul style="list-style-type: none"> • Care with chest surgery and cranial surgery 			
Burns and plastic Reconstructive surgery	2	<ul style="list-style-type: none"> • Assess the severity of burns. • Administer rehydration therapy • Observe reconstructive surgery • Care with chest surgery and cranial surgery 	<ul style="list-style-type: none"> • Nursing care 		

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OT Laproscopic Orthopaedic EYE ENT	3	<ul style="list-style-type: none"> • Identify instruments • Assist in OT set up • Supervise sterilization • Assist in OT table lay out. • Observe immediately after operation control. 		<ul style="list-style-type: none"> • Assist-5 cases 	<ul style="list-style-type: none"> • Record book
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3220

Second Year Basic B.Sc Nursing (Main)

Examination Month Year

MEDICAL SURGICAL NURSING-I

Paper II

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three)10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine)5x7=35

Q.No.3 Short Answer type (10) 2x10=20

3220

Second Year Basic B.sc Nursing (Main)

Examination Month Year

MEDICAL SURGICAL NURSING - I

Paper II

Time: Three Hours

Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two) 10x2=20

- (a) Define congestive heart failure. Describe Pathophysiology, clinical manifestation of right side heart failure and nursing management.
- (b) What is pancreatitis? Discuss clinical manifestation and medical management. Prepare nursing care plan.
- (c) Write down Pathophysiology of pulmonary tuberculosis. Discuss about DOTS and nursing responsibilities.

Q.No.2. Short essays (Attempt any Seven) 5x7=35

- (a) Peptic ulcer
- (b) Nursing management of burn patient
- (c) Reconstructive surgery
- (d) Mayotable
- (e) Hernia
- (f) Emergency management of myocardial infarction
- (g) Diabetes mellitus
- (h) Hypertension
- (i) Aplastic anaemia

Q.No.3. Short answers 2x10=20

- (a) Anemia
- (b) Chemotherapy
- (c) Stomatitis
- (d) Scabies
- (e) Fracture
- (f) Pagets Disease
- (g) Traction
- (h) Osteomyelitis
- (i) AIDS
- (j) Rheumatic fever

(3230) PHARMACOLOGY, PATHOLOGY, GENETICS

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs. (Theory)

Pharmacology, Genetics, Pathology: Section A of Pharmacology with 38 marks, Section B of Pathology of 25 and Section C Genetics with 12 marks.

Placement – Second Year

Section A - Pharmacology

(Max. Marks - 38)

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	1	<ul style="list-style-type: none"> Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration 	Introduction to pharmacology <ul style="list-style-type: none"> Definitions Sources Terminology used Types: Classification Pharmacodynamics: action, therapeutic Adverse, toxic Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion Review: Routes and principles of administration of drugs 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type

			<ul style="list-style-type: none"> Indian pharmacopoeia: legal issues Rational use of drugs Principles of therapeutics 		
II	6	<ul style="list-style-type: none"> Explain chemotherapy of specific infections and infestations and nurse's responsibilities 	Chemotherapy <ul style="list-style-type: none"> Pharmacology of commonly used <ul style="list-style-type: none"> Penicillin - Cephalosporins Aminoglycosides Macrolide & broad spectrum antibiotics Sulfonamides Quinolones <ul style="list-style-type: none"> Antiamoebic Antimalarials <ul style="list-style-type: none"> Anthelmintics Antiscabies agents Antiviral & anti-fungal agents Antitubercular drugs <ul style="list-style-type: none"> Anti leprosy drugs Anticancer drugs Immune - suppressants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

III	2	<ul style="list-style-type: none"> Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities 	Pharmacology of commonly used antiseptics, disinfectant and insecticides <ul style="list-style-type: none"> Antiseptics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse Disinfectants Insecticides 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
IV	2	<ul style="list-style-type: none"> Describe drugs acting on gastrointestinal system & nurse's responsibilities 	Drugs acting on G.I. system <ul style="list-style-type: none"> Pharmacology of commonly used - Antiemetics, Emetics <ul style="list-style-type: none"> Purgatives Antacids Cholinergic Anticholinergics Fluid & electrolyte therapy Anti diarrhoeals Histamines Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

V	2	<ul style="list-style-type: none"> Describe drugs used on respiratory systems & nurse's responsibilities 	Drugs used on respiratory systems <ul style="list-style-type: none"> Pharmacology of commonly used <ul style="list-style-type: none"> Antiasthmatics Mucolytics Decongestants Expectorants Bronchodilators Antihistamines Composition action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
VI	2	<ul style="list-style-type: none"> Describe drugs used on urinary systems & nurse's responsibilities 	Drugs used on urinary system <ul style="list-style-type: none"> Pharmacology of commonly used -Diuretics & antidiuretics <ul style="list-style-type: none"> Urinary antiseptics Cholinergic & anticholinergics Acidifiers and alkalanizers Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

VII	4	<ul style="list-style-type: none"> Describe drugs used in de-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immune-suppression and nurse's responsibilities 	Miscellaneous <ul style="list-style-type: none"> Drugs used in de-addiction Drugs used in CPR and emergency Vitamins and minerals Immunosuppressants Antidotes Antivenom Vaccines and sera 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
VIII	1	<ul style="list-style-type: none"> Describe drugs used on skin & mucous membranes & nurse's responsibilities 	<ul style="list-style-type: none"> Drugs used on skin and mucous membranes 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 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
IX	8	<ul style="list-style-type: none"> Describe drugs used on nervous system and nurse's responsibilities 	Drugs acting on nervous system <ul style="list-style-type: none"> Basic & applied pharmacology of commonly used: <ul style="list-style-type: none"> Analgesics & Anaesthetics <ul style="list-style-type: none"> Analgesics - Non Steroidal Anti Inflammatory (NSAID) Drug, - Antipyretics 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

			<ul style="list-style-type: none"> Hypnotics & Sedatives <ul style="list-style-type: none"> Opioids Non-Opioids <ul style="list-style-type: none"> Tranquilizers General & local anesthetics Gases: oxygen, nitrous oxide, carbon-dioxide Cholinergic & anti-cholinergics: <ul style="list-style-type: none"> Muscle relaxants Major tranquilizers Anti-psychotics Antidepressants Adrenergics Noradrenergics Mood stabilizers Acetylcholine Stimulants Composition, action, dosage, route, indication, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 		
X	5	<ul style="list-style-type: none"> Describe drugs used on cardiovascular system & nurse responsibilities 	Cardiovascular drugs <ul style="list-style-type: none"> Haematinics Cardiotonics Anti anginals 	<ul style="list-style-type: none"> Lecture discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

			<ul style="list-style-type: none"> • 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 and role of nurse 		
XI	4	<ul style="list-style-type: none"> • Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy & nurse's responsibilities 	<p>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</p> <ul style="list-style-type: none"> • Insulin's & oral hypoglycemic • Thyroid supplements and suppressants • Steroids, anabolic • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen-progesterone preparations 	<ul style="list-style-type: none"> • Lecture discussion • Drug study / presentation 	<ul style="list-style-type: none"> • Short answers • Objective type

			<ul style="list-style-type: none"> • Corticotrophine & Gonadotropines • Adrenaline • Prostaglandins • Calcitonins • Calcium salts • Calcium regulators • Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 		
XII	6	<ul style="list-style-type: none"> • Demonstrate awareness of the common drugs used in alternative system of medicine 	<p>Introduction to drugs used in alternative systems of medicine:</p> <ul style="list-style-type: none"> • Ayurveda, Homeopathy, Unani and Siddha etc. 	<ul style="list-style-type: none"> • Lecture discussion • Drug study / presentation 	<ul style="list-style-type: none"> • Lecture discussion • Drug study / presentation

Section - B : PATHOLOGY
(Pathology - Max. Marks - 25)

Placement – Second Year

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.)	Pr.	Learning Objectives	Content	Teaching Learning Activities	Evaluation
I	3		<ul style="list-style-type: none"> Define the common terms used in Pathology. Appreciate the deviations from normal to abnormal structure and functions of the body system 	Introduction: <ul style="list-style-type: none"> Importance of the study of Pathology Definition of terms Methods & Techniques Cellular & Tissue changes Infiltration and regeneration <ul style="list-style-type: none"> Inflammations & infections Wound healing Vascular changes Cellular growth, neoplasms <ul style="list-style-type: none"> Normal & Cancer cell Benign & Malignant growths In situ carcinoma Disturbances of fluid & electrolyte imbalance 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type
II	10	5	<ul style="list-style-type: none"> Explain pathological changes in disease conditions of various systems 	Special pathology <ul style="list-style-type: none"> Pathological changes in disease conditions of various systems: 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, slides, specimen, X-rays and scans 	<ul style="list-style-type: none"> Short answers Objective type

				<ul style="list-style-type: none"> Respiratory tract <ul style="list-style-type: none"> Tuberculosis, Bronchitis, pleural effusion and pneumonia Lung abscess, emphysema, bronchiectasis Bronchi-1 asthma, chronic obstructive pulmonary disease & tumors Cardio-vascular system <ul style="list-style-type: none"> Pericardial effusion Rheumatic heart disease Infective endocarditis atherosclerosis Ischemia, infarction and Aneurysm Gastro intestinal tract Peptic ulcer, typhoid, carcinoma of GI-tract Buccal, Easophageal, Gastric & Intestinal Liver, Gall bladder & Pancreas <ul style="list-style-type: none"> Hepatitis, chronic liver abscess, cirrhosis, tumors of liver, gall bladder and pancreas, Cholecystitis Kidneys & Urinary tract 	<ul style="list-style-type: none"> Visit to pathology lab, endoscopy unit and OT 	
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				<ul style="list-style-type: none"> o Glomerulonephritis o pyelonephritis o Calculi, renal failure, renal carcinoma & cystitis • Male genital systems o Cryptorchidism, testicular atrophy o Prostatic hyperplasia, carcinoma penis & prostate • Female genital system o Fibroids • Carcinoma cervix and Endometrium o Vesicular mole, choriocarcinoma o Ectopic gestation o Ovarian cyst & tumors • Cancer Breast • Central nervous system o Hydrocephalus, Meningitis, encephalitis o Vascular disorders- thrombosis, embolism o Stroke, paraplegia, quadriplegia- tumours, meningiomas-gliomas • Metastatic tumour • Skeletal system o Bone healing , osteoporosis, osteomyelitis • Arthritis & tumours 		
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III	4	3	<ul style="list-style-type: none"> • Describe various laboratory tests in assessment and monitoring of disease conditions 	<p>Clinical Pathology</p> <ul style="list-style-type: none"> • Various blood & bone marrow tests in assessment & monitoring of diseases conditions hemoglobin o RBC, white cell & platelet counts o Bleeding time, clotting time & prothrombine time o Blood grouping & cross matching o Blood chemistry o Blood culture o Serological and immunological tests o Other blood tests o Examination of bone marrow o Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Visit to clinical pathology & bio-chemistry lab and blood bank 	<ul style="list-style-type: none"> • Short answers • Objective type
IV	2	1	<ul style="list-style-type: none"> • Describe the laboratory tests for examination of body cavity fluids, transudates & exudates 	<p>Examination of body cavity fluids, transudated and exudates</p> <ul style="list-style-type: none"> • The laboratory tests used in CSF analysis 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type

				<ul style="list-style-type: none"> • 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 * 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 		
V	1	1	<ul style="list-style-type: none"> • Describe the laboratory tests for examination of urine and faeces 	<p>Urine & Faeces</p> <ul style="list-style-type: none"> • Urine : <ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type

Section C - GENETICS
(Max. Marks - 12)

Placement – Second Year

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 Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> • Explain nature principles & perspectives of heredity 	<p>Introduction :</p> <ul style="list-style-type: none"> • Practical application of genetics in nursing • Impact of genetic condition on families • Review of cellular division mitosis & meiosis. • Characteristics & structure of genes • Chromosomes – sex determination • Chromosomal aberrations • Patterns of inheritance <ul style="list-style-type: none"> o Mendalian theory of inheritance o Multiple allots and blood groups o Sex linked inheritance o Mechanism of inheritance o Errors in transmission (Mutation) 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	<ul style="list-style-type: none"> • Short answers • Objective type

II	3	<ul style="list-style-type: none"> • Explain maternal, prenatal & genetic influences on development of defects & diseases 	<p>Maternal, prenatal & genetic influences on development of defects & diseases</p> <ul style="list-style-type: none"> • Conditions affecting the mother: genetics & infections • Consanguinity atopy • Prenatal nutrition & food allergies • Maternal age • Maternal drug therapy • Prenatal testing & diagnosis • Effect of radiation, drugs and chemicals • Infertility • Spontaneous abortion • Neural tube defects and the role of folic acid in lowering the risks • Down syndrome (trisomy 21) 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	<ul style="list-style-type: none"> • Short answers • Objective type
III	2	<ul style="list-style-type: none"> • Explain the screening methods for genetic defects and disease in neonates and children 	<p>Genetic testing in the neonates and children</p> <ul style="list-style-type: none"> • Screening for congenital abnormalities <ul style="list-style-type: none"> o Developmental delay o Dysmorphism 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	<ul style="list-style-type: none"> • Short answers • Objective type

IV	2	<ul style="list-style-type: none"> • Identify genetic disorders in adolescents and adults 	<p>Genetic condition of adolescents and adults</p> <ul style="list-style-type: none"> o Cancer genetics – familial cancer o Inborn errors of metabolism o Blood group alleles and haematological disorder o Genetic haemochromatosis Huntington's disease o Mental illness 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	<ul style="list-style-type: none"> • Short answers • Objective type
V	5	<ul style="list-style-type: none"> • Describe the role of nurse in genetic services and counseling 	<p>Services related to Genetics</p> <ul style="list-style-type: none"> • Genetic testing • Human genome project • Gene therapy • The Eugenics movement • Genetics Counselling • Legal and ethical issues role of nurse 	<ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> • Short answers • Objective type

Second Basic B.Sc. (Nursing) PHAR. PATH. GEN.-III
3230

Second Year Basic B.Sc Nursing (Main)
Examination Month Year
PHARMACOLOGY, PATHOLOGY, GENETICS
Paper III

Time: Three Hours
Maximum Marks: 75

Use separate answer-book for each section.

This Question paper consist of Section A
Pharmacology of 38 marks
and B Pathology & Genetics of 37 marks.

Section – A
PHARMACOLOGY

Q.No.1 Long essay Type (Attempt any one out of two) 10x1=10

Q.No.2 Short Essay Type (Attempt any four out of six) 5x4=20

Q.No.3 Short Answer Type (4) 2x4=8

Section – B
PATHOLOGY & GENETICS

Q.No.1 Long essay Type (Attempt any one out of two) 10x1=10

Q.No.2 Short Essay Type (Attempt any three out of five) 5x3=15

Q.No.3 Short Answer Type (6) 2x6=12

Second Basic B.Sc. (Nursing) PHAR. PATH. GEN. - III
3230

Second Year Basic B.sc Nursing (Main) Examination Month
Year

PHARMACOLOGY, PATHOLOGY, GENETICS

Paper III

Time: Three Hours
Maximum Marks: 75

Use separate answer-book for each section.

This Question paper consist of Section A Pharmacology of 38
marks
and B Pathology & Genetics of 37 marks.

Section – A
PHARMACOLOGY

Q.No.1. Long essays (Attempt any One) 10x1=10

- (a) What is pharmacodynamics? Explain route and principles of drug administration.
- (b) Write down classification of Non steroidal anti-inflammatory drugs. Explain Aspirin.

Q.No.2. Short essays (Attempt any four) 5x4=20

- (a) Anticancer drugs
- (b) Pharmacokinetic
- (c) Opioid analgesics
- (d) Diuretics
- (e) Bronchodilators
- (f) Antiseptic

Q.No.3. Short answers 2x4=8

- (a) Disinfectant
- (b) Antacid
- (c) Cardiotonics
- (d) Anaesthesia

Section – B
PATHOLOGY & GENETICS

Q.No.1. Long essays (Attempt any One) 10x1=10
 (a) What is inflammation? Explain wound healing.
 (b) Define tumor. Differentiate between benign and malignant tumor.

Q.No.2. Short essays (Attempt any Three) 5X3=15

- (a) Metastasis
- (b) Myocardial infarction
- (c) Peptic ulcer
- (d) Pulmonary tuberculosis
- (e) FNAC

Q.No.3. Short answers 2x6=12

- (a) Down's syndrome
- (b) Mongolism
- (c) Gene mapping
- (d) Trisomy
- (e) Triploidy
- (f) Mitosis

(3240) COMMUNITY HEALTH NURSING – I

Theory - 75 Marks
 Internal Assessment - 25 Marks
Total - 100 Marks
Duration - 3 Hrs. (Theory)

Placement – Second Year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	<ul style="list-style-type: none"> • Describe concepts and dimension of health 	<ul style="list-style-type: none"> • Introduction • Community health nursing • Definition, concept and dimensions of health • Promotion of health • Maintenance of health 	<ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> • Short answers
II	20	<ul style="list-style-type: none"> • Describe determinants of health 	<p>Determinants of health</p> <ul style="list-style-type: none"> • Eugenics • Environment - Physical : Air, Light, Ventilation, Water, Housing, Sanitation: disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication: 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs, models, films, slides • Visits to water supply, sewage disposal, milk plants, slaughter house etc. 	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type

			<ul style="list-style-type: none"> - Infrastructure facilities and linkages - Acts regulating the environment: national pollution control board Bacterial & viral: Agents, host carriers and immunity • Food hygiene : Production, Preservation, Purchase, Preparation, Consumption • Acts regulating food hygiene- prevention of food adulteration act, drugs and cosmetic act. • Socio-cultural - Customs, taboos - Marriage system - Family structure - 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 		
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			<ul style="list-style-type: none"> - Self reliance - Dietary pattern - Education - Occupation • Financial management - Income - Budget - Purchasing power - Security 		
III	10	<ul style="list-style-type: none"> • Describe concepts scope, uses methods and approaches of epidemiology 	<p>Epidemiology</p> <ul style="list-style-type: none"> • Defination, concept aims, scope, uses and terminology used in epidemiology • Dynamics of disease transmission: epidemiological triad • Morbidity and mortality : measurements • Levels of prevention • Methods of epidemiology <ul style="list-style-type: none"> - Descriptive - Analytical : Epidemic investigation - Experimental 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs • Models, films, slides 	<ul style="list-style-type: none"> • Essay type • Short answer
IV	25	<ul style="list-style-type: none"> • Describe epidemiology and nursing management 	<p>Epidemiology and nursing management of common communicable disease</p>	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs • Models, films slides 	<ul style="list-style-type: none"> • Essay type • Short answer

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

VII	17	<ul style="list-style-type: none"> Identify the impact of Population explosion in India Population explosion in India Describe methods of population control 	Population and its Control <ul style="list-style-type: none"> Population explosion and its impact on Social, Economic development of individual, society and country Population, control: <ul style="list-style-type: none"> overall development : women empowerment, social, economic and educational development Limiting family size: <ul style="list-style-type: none"> Promotion of small family norms Methods: spacing (natural biological, chemical, mechanical methods etc.) Terminal: surgical methods Emergency contraception 	<ul style="list-style-type: none"> Lecture discussion Population survey Counseling Demonstration Practice session Supervised field practice 	<ul style="list-style-type: none"> Essay type Short answer Objective type Assessment of survey report
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COMMUNITY HEALTH - NURSING - I (Practical)

Placement- Second Year

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

Area	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
Community Health nursing	2	<ul style="list-style-type: none"> • Build & maintain rapport • Identify demographic Characteristics, Health Determinants and community health resources • Diagnosis health needs of 	<ul style="list-style-type: none"> • Use technique of interpersonal relationship • Identification of Health determinants of community • History taking • Physical examination • Collect Specimens sputum, malarial smear • Perform simple lab tests at center blood for haemoglobin and albumin and sugar • Administer vaccines and medications to adult • Counsel vaccines and medications to adult -Nutrition -Hygiene 	To work with 2 assigned families each in urban and rural <ul style="list-style-type: none"> • Family study-1 • Observation report of community -1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skills with checklist • Evaluation of family study, observation report and health talk • Completion of activity record

		individuals and families <ul style="list-style-type: none"> • Provide primary care in health center • Councils and educate Individual, family and community 	<ul style="list-style-type: none"> -Self health Monitoring Seeking health services - Healthy Life Style - Family Welfare Methods - Health promotion 		
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Second Year Basic B.Sc Nursing (Main)

Examination Month Year

COMMUNITY HEALTH NURSING - I

Paper IV

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

Second Year B.sc Basic Nursing (Main)

Examination Month Year

COMMUNITY HEALTH NURSING - I

Paper IV

Time: Three Hours

Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two) 10x2=20

- (a) Define health, discuss dimension of health.
- (b) Describe determinants of health in detail.
- (c) Define epidemiology, explain descriptive method of epidemiology

Q.No.2. Short essays (Attempt any Seven) 5x7=35

- (a) Levels of prevention
- (b) Dynamics of disease
- (c) Measurement of mortality
- (d) Chicken pox
- (e) Typhoid Fever
- (f) Malaria
- (g) SARS
- (h) Whooping cough
- (i) Dengue

Q.No.3. Short answers 2x10=20

- (a) Concept of promotion of health
- (b) Life style
- (c) Hygiene
- (d) Taboos
- (e) Food fact
- (f) Marriage
- (g) Education
- (h) Morbidity
- (i) ARI

(3250) COMMUNICATION & EDUCATIONAL TECHNOLOGY

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs. (Theory)

Placement – Second Year

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

Unit	Time (Hrs.)	Pr.	Learning Objectives	Content	Teaching Learning Activities	Evaluation
I	5		<ul style="list-style-type: none"> Describe the Communication process Identify techniques of effective communication 	Review of communication Process <ul style="list-style-type: none"> Process ; elements and chance Facilitors Barriers and methods of overcoming. Techniques 	<ul style="list-style-type: none"> Lecture Discussion Role Plays Excerise with audio/video tapes 	<ul style="list-style-type: none"> Respond critical Incidents Short Answers Objective type
II	5		<ul style="list-style-type: none"> Establish effective inter-personal Relations with Patients, Families & Co-workers 	Interpersonal relations <ul style="list-style-type: none"> Purpose & types Phase Barriers & methods of overcoming Johri window 	<ul style="list-style-type: none"> Lecture Discussion Role plays Exercise with audio/video tapes Process recording 	<ul style="list-style-type: none"> Short answer Objective type

III	5		<ul style="list-style-type: none"> Develop effective human relations in context of nursing 	Human relations <ul style="list-style-type: none"> Understanding self Social behaviour, motivation , social attitudes Individuals and group Human relations in context of nursing Group dynamics Team work 	<ul style="list-style-type: none"> Lecture Discussion Sociometry Group games Psychometris Excerise followed by discussion 	
IV	10		<ul style="list-style-type: none"> Develope basic skill of counseling and guidance 	Guidance & Counseling <ul style="list-style-type: none"> Definition, •Purpose, scope and need Basic principles Organization of counseling service• 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 	<ul style="list-style-type: none"> Lecture discussion Role paly on counseling in different situations followed by discussion 	<ul style="list-style-type: none"> Short answer Objective type Assess performance in role plays situations

V	5		<ul style="list-style-type: none"> Describe the philosophy & principles of education Explain the teaching learning process 	Principles of education & teaching learning process <ul style="list-style-type: none"> Education : meaning, Philosophy, aims, functions & principles Nature and Characteristics of learning Principles and maxims of teaching Formulating objectives; general and specific Lesson planning Classroom management 	<ul style="list-style-type: none"> Lecture discussion Prepare lesson plan Micro teaching Exercise on writing objectives 	<ul style="list-style-type: none"> Short answer Objective type Assess lesson plans & teaching session
VI	10	10	<ul style="list-style-type: none"> Demonstrate Teaching skill using various teaching methods in clinical, classroom and community setting 	Methods of teaching <ul style="list-style-type: none"> 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. Clinical teaching Methods: case method, Nursing round & reports, Beside clinic, 	<ul style="list-style-type: none"> Lecture discussion Conduct 5 teaching sessions using Different methods & media 	<ul style="list-style-type: none"> Short Answer Objective type Assess teaching sessions

				Conference (individual & group) process recording		
VII	10	8	<ul style="list-style-type: none"> Prepare and use Different types of media effectively 	Educational media <ul style="list-style-type: none"> Purpose & types of A.V. Aids, principles and source etc. Graphic aids: chalk board, chart, graph, poster, flash cards, flannelgraph, bulletin, cartoon Three dimension aids: Objects, specimens, models, puppets Printed aids: pamphlets & leaflets Projected aids: slides, overhead projector, films, TV, VCR/VCD/, camera, microscope, LCD Audio aids ; tape recorder, public address system Computer 	<ul style="list-style-type: none"> Lecture discussion Demonstration Prepare different teaching aids Projected & non projected 	<ul style="list-style-type: none"> Short Answer Objective type Assess the teaching aids prepared
VIII	5	7	<ul style="list-style-type: none"> Prepare different types of questions for assessment of knowledge, skills and attitudes 	Assessment <ul style="list-style-type: none"> Purpose & scope of evaluation & assessment Criteria for selection of assessment techniques and methods 	<ul style="list-style-type: none"> Lecture Discussion Exercise on writing different types of assessment tools 	<ul style="list-style-type: none"> Short Answer Objective type

			<ul style="list-style-type: none"> • Assessment of Knowledge: essay type question , short answer question (SAQ), multiple choice questions (MCQ) • Assessment of skills: Observation checklist, Practical exam, viva voce Objective structured Clinical examination (OSCE) • Assessment of attitudes: attitude scales 		<ul style="list-style-type: none"> • Assess the Strategies used in Practice teaching Sessions and exercise session
IX	5	<ul style="list-style-type: none"> • Teach individuals, Groups and Communities about Health with active participation 	<p>Information Education & communication for health (IEC)</p> <ul style="list-style-type: none"> • Health behavior & health education • Planning for health education • Health education with individuals, groups & communities • Communicating health message • Methods & media for communicating health message • Using mass media 	<ul style="list-style-type: none"> • Lecture discussion Plan & conduct Health education Sessions for Individuals group & communities 	<ul style="list-style-type: none"> • Short answer • Objective type • Assess the planning & educational Session

Second Basic B.Sc.(Nursing) COMMU.& EDU.TECH.-V
3250

Second Year Basic B.Sc Nursing (Main)
Examination Month Year

COMMUNICATION AND EDUCATIONAL TECHNOLOGY

Paper V

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

Second Year Basic B.sc Nursing (Main)
Examination Month Year
COMMUNICATION AND EDUCATIONAL TECHNOLOGY
Paper V

Time: Three Hours
Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two) 10x2=20

- (a) Define communication, list out the techniques of effective communication.
- (b) Define therapeutic IPR. Write how to establish effective IPR with patient in your clinical setting.
- (c) Describe philosophy of education and maxims of teaching.

Q.No.2. Short essays (Attempt any Seven) 5x7=35

- (a) Micro teaching
- (b) Seminar
- (c) Lecturer Method
- (d) Audio visual aids
- (e) Scope of evaluation
- (f) Criteria for selection of assessment
- (g) Principles of health education
- (h) Types of counselling
- (i) Johari window

Q.No.3. Short answers 2x10=20

- (a) Human relation
- (b) Aims of education
- (c) Symposium
- (d) Bedside clinic
- (e) Process recording
- (f) Checklist
- (g) Advantage of group discussion
- (h) Nursing care conference
- (i) Panel discussion
- (j) Barrier to communication

(3410) MEDICAL SURGICAL NURSING - II

(Adult including Geriatrics)

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	200 Marks
Duration	-	3 Hrs. (Theory)

Placement- Third year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<ul style="list-style-type: none"> • Describe the Physiology clinical Manifestations, Diagnostic Measure and Management of Patients with Disorders of Ear Nose and Throat 	<p>Nursing Management of patients with disorders of Ear, Nose and Throat</p> <ul style="list-style-type: none"> • Review of Anatomy & physiology of the Ear Nose & Throat- • Nursing Assessment – History & Physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis treatment modalities and medical & surgical nursing management 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films slides, • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised Clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type • Assessment of skills with checklist • Assessment of patient Management problem

			<p>of Ear Nose and Throat disorder:</p> <ul style="list-style-type: none"> - External ear: deformities otalgia, foreign bodies, and tumours - Middle Ear-Impacted wax, tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours - Inner ear-Meniere's disease - labyrinthitis, ototoxicity, tumours - Upper airway- infections Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis • 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 		
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			<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Describe the etiology, patho- physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Eye 	<p>Nursing management of patients with disorders of Eye</p> <ul style="list-style-type: none"> • Review of Anatomy and physiology of the Eye • Nursing assessment – history and physical assessment • Etiology, pathophysiology, clinical, manifestation, diagnosis, treatment modalities and medical and surgical nursing management of Eye disorders: • Refractive errors • Eyelids – infections, tumours and deformities • Conjunctiva – inflammation and infection bleeding 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, • Models, films, slides • Demonstrations • Practice session • Case discussion • Seminar • Health Education • Supervised clinical practice • Drug book / Presentation • Visit to Eye bank • Participation in eye-camps 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of patient management problem

			<ul style="list-style-type: none"> • Cornea – inflammation and infection • Lens – Cataracts • Glaucoma • Disorder of the uveal tract • Ocular Tumours • Disorder of posterior chamber and retina: retinal and vitreous problems <p>Retinal detachment ocular emergencies & their prevention</p> <ul style="list-style-type: none"> • Blindness • National blindness control program <p>Eye Banking Eye prosthesis and Rehabilitation</p> <ul style="list-style-type: none"> • Role of a nurse-communication with visually impaired patient, Eye camps • Special therapies • Nursing procedures • Drugs used in treatment of disorders of eye 		
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III	16	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations, measures and management of patients with neurological disorders 	<p>Nursing Management of patients with neurological disorders</p> <ul style="list-style-type: none"> • Review of anatomy & physiology of the neurological system • Nursing Assessment – History & Physical and neurological <p>Assessment and Glasgow coma Assessment and Glasgow coma scale</p> <ul style="list-style-type: none"> • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorder • Congenital malformation • Headache • Head Injuries • Spinal Injuries: <ul style="list-style-type: none"> Paraplegia Hemiplegia Quadraplegia • Spinal cord compression herniation of intervertebral disc 	<ul style="list-style-type: none"> • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Drug book/presentation • Visit to rehabilitation centre 	<ul style="list-style-type: none"> • Assessment of patient management problem
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			<ul style="list-style-type: none"> • Tumours of the brain & spinal cord • Intra cranial and cerebral aneurysma • Infections Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders Chorea, Seizures, Eppilepsies • Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies- Bell's palsy, trigeminal; Barr's syndrome • Myasthenia gravis • Multiple sclerosis • Degenerative disease Delirium Dementia Alzheimer's disease Parkinson's disease • Management of unconscious patients and patient with stroke • Role of the nurse in communicating with patient having neurological deficit 	<ul style="list-style-type: none"> • Drug book/presentation • Visit to rehabilitation centre 	
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			<ul style="list-style-type: none"> • Rehabilitation of patients with neurological deficit • Role of nurse in long stay home • Special therapies • Nursing procedures • Drugs used in treatment of neurological disorders 		
IV	16	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations, diagnostics measures and management of patients with disorders of female reproductive system • Describe concepts of reproductive health and family welfare programme 	<p>Nursing management of patients with disorders of female reproductive system</p> <ul style="list-style-type: none"> • Review of anatomy & physiology of the female reproductive system • Nursing Assessment – History & Physical assessment • Breast self examination • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of disorder of female reproductive system • Congenital abnormalities of 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Drug book/presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of Patient Management problem

			<p>female reproductive system</p> <ul style="list-style-type: none"> • Sexuality and reproductive health • Sexual health assessment • Menstrual Disorders, Dysmenorrhea, Amenorrhea, Premenstrual Syndrome • Abdominal Uterine Bleeding; Menorrhagia, Metrohagia • Pelvic Inflammatory disease • Ovarian and fallopian Disorders; infections, cysts, Tumours • Uterine and cervical disorders , Endometriosis, polyps, fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele • Vaginal disorders, infections and discharges, fistulas • Vulvar disorders, infections , cysts tumours • Disease of Breast: Deformities, infections, cysts and tumours • Menopause and Hormonal 		
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			<p>Replacement Therapy</p> <ul style="list-style-type: none"> • Infertility • Contraception, types Methods, risk and effectiveness • Spacing methods Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods etc. 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 gynecological disorders National family welfare Programme 		
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V	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measure and management of patients with burns, reconstructive and cosmetic surgery 	<p>Nursing management of patients with Burns, reconstructive and cosmetic surgery</p> <ul style="list-style-type: none"> Review of anatomy & physiology of the skin and connective tissues and various deformities Nursing Assessment – History and Physical assessment of burns and fluid and electrolyte loss Etiology, classification pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of Burns and Re-constructive and cosmetic surgery Types of Re-constructive and Cosmetic surgery ; for burns, congenital deformities, injuries and cosmetic purpose. Role of Nurse Legal aspects Rehabilitation 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, graphs Models, films, slides Demonstration Practice session Case discussion Seminar Health education Supervised Clinical practice Drug book/ presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with checklist Assessment of Patient Management problem
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			<ul style="list-style-type: none"> Special therapies - Psycho social aspects Nursing procedures Drugs used in Treatment of burns reconstructive and cosmetic surgery 		
VI	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical ,manifestations, diagnostic measure and nursing management of patients with oncology 	<p>Nursing management of patients with oncological conditions</p> <ul style="list-style-type: none"> Structure & Characteristics of normal & cancer cells Nursing Assessment – History and Physical assessment Prevention, screening , early detection, warning signs of cancer Epidemiology Etiology, classification Pathaphysiology, Staging, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions Common malignancies of various body systems, oral, 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, graphs Models, films, slides Demonstration Practice session Case discussion/ Seminar Health education Supervised clinical practice Drug book/ presentation 	<ul style="list-style-type: none"> Essay type Shortanswers Objective type Assessment of skills with checklist Assessment of Patient Management problem

			<p>larynx, lung, and lymphomas, breast, cervix, ovary, uterus, Sarcoma, Brain, Renal, Bladder, Prostatic.</p> <ul style="list-style-type: none"> • Oncological emergencies • Modalities of treatment <ul style="list-style-type: none"> Immunotherapy Chemotherapy Radiotherapy Surgical Interventions Stem cell and bone marrow Transplants Gene therapy - Other forms of treatment • Psychosocial aspects of cancer • Rehabilitation • Palliative care, symptom and pain management, nutritional support • Home care • Hospice care • Stomal therapy • Special therapies - Psycho social aspect • Nursing procedures 	
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VII	10	<ul style="list-style-type: none"> • Describe organization of emergency and disaster care service • Describe the role of nurse in disaster • Describe the role of nurse in management of common emergencies 	<p>Nursing management of patient in EMERGENCY & DISASTER Situation</p> <p>Disaster Nursing:</p> <ul style="list-style-type: none"> • Concepts and principles of disaster nursing • Cause and type of disaster: • Natural and Man-made <ul style="list-style-type: none"> - Earthquakes, Floods, Epidemics, Cyclones Fire, Explosion, Accidents Violence, Terrorism, Biochemical war • Policies related to emergencies/disaster management , international, national, state, institutional • Disaster preparedness • Team, Guidelines, protocols, equipments, resources • Coordination and involvement of community, various govt. departments, non-govt, organizations and international agencies • Role of nurse: working • Legal Aspects of disaster nursing 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Disaster Management Drills • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of Patient Management problem
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			<ul style="list-style-type: none"> • Impact on health and after effects: Post Traumatic Stress Disorder (PTSD) • Rehabilitation, physical, psychosocial, financial, relocation <p>Emergency Nursing</p> <ul style="list-style-type: none"> • Concepts, priorities, principles and scope of emergency nursing • organization of emergency services, physical set up, staffing, equipment and supplies, protocols, concepts of triage and role of triage nurse • Coordination and involvement of different departments and facilities • Nursing assessment – history and physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical emergency 		
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			<ul style="list-style-type: none"> • Principles of emergency management • Common emergencies • Respiratory emergencies • Cardiac emergencies • Shock and Haemorrhage • Pain • Poly-Trauma, road accidents, crush injuries, wound • Bites • Poisoning: Food, Gas, Drugs & chemicals poisoning • Seizures • Thermal Emergencies, heat stroke & cold injuries • Pediatrics 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 		
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VIII	10	<ul style="list-style-type: none"> • Explain the concept and problems of aging • Describe nursing care of the elderly 	<p>Nursing care of the elderly</p> <ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Ageing • Demography; Myths and realities • Concepts and theories of ageing • Cognitive aspects of ageing • Normal biological ageing • Age related body system changes • Psychological aspects of aging • Medications and elderly • Stress & Coping in older adults common health problems & nursing management • Cardiovascular, respiratory, musculokeletal • Endocrine, genitor-urinary, gastrointestinal • Neurological, skin and other sensory organs • Psychosocial and sexual abuse of elderly 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion • Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Visit to old age home 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of Patient Management problem
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			<ul style="list-style-type: none"> • Role of nurse for care of elderly: ambulation, nutritional , communicational , psychosocial and spiritual • Role of nurse for Caregivers of elderly • Role of family and formal and non formal caregivers use of aids and prosthesis (hearing aids, dentures) • Legal & Ethical issues • Provisions & programmes for elderly, privilegers, community programs and health services • Home and institutional care 		
IX	10	<ul style="list-style-type: none"> • Describe organization of critical care units • Describe the role of nurse in management of patients critical care units 	<p>Nursing management of patient in critical care units</p> <ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Classification • Principles of critical care nursing • Organization; Physical setup, policies, staffing norms. • Protocols, equipment and 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Role plays • Counseling 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of Skill with checklist

			<p>supplied special equipments, ventilators cardiac monitors, defibrillators.</p> <ul style="list-style-type: none"> • Resuscitation equipments • Infection control protocols • Nursing management of critically ill patient • Monitoring of critically ill patient • CPR-Advance Cardiac Life Support • Treatments and procedures • Transitional care • Ethical and legal aspects • Communication with patient and family • Intensive care records • Crisis intervention • Death and dying coping with • Drugs used in critical care unit 	<ul style="list-style-type: none"> • Practice session • Case discussions / seminar • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Assessment of patient management problem
X	8	<ul style="list-style-type: none"> • Describe the etiology, patho-physiology, clinical manifestations, assessment diagnostic measures and management of 	<p>Nursing management of patients adults including elderly with occupational and industrial disorders</p> <ul style="list-style-type: none"> • Nursing Assessment-History and Physical assessment 	<ul style="list-style-type: none"> • Models, films, slides • Demonstration • Role plays • Counseling • Practice session • Case discussions / seminar 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of Skill with checklist

		<p>patients with occupational and industrial health disorder</p>	<ul style="list-style-type: none"> • Etiology, Pathophysiology, clinical manifestation, 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 	<ul style="list-style-type: none"> • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Assessment of patient management problem
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MEDICAL SURGICAL NURSING - II (PRACTICAL)
(Adult including Geriatrics)

Practical - 50 Marks
Internal Assessment - 50 Marks
Total - 100 Marks

Placement - Third Year

Area	Duration (in week)	Objectives of Posting	Skills to be developed	Assignments	Assessment methods
ENT	1	<ul style="list-style-type: none"> Provide nursing care to adult patients with medical disorders Counsel and educate patients and families 	<ul style="list-style-type: none"> 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 tracheostomy care Teach patients and families 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients Nursing care plan-1 Observation reports of OPD Maintain drug book 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD Completion of activity record
Ophthalmology	1	<ul style="list-style-type: none"> Provide care to 	<ul style="list-style-type: none"> Perform examination of eye 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients 	<ul style="list-style-type: none"> Assess each skill with

		patients with eye disorders <ul style="list-style-type: none"> Counsel and educate patient and families 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Nursing care plan-1 Observation reports of OPD & eye bank Maintain drug book 	checklist <ul style="list-style-type: none"> Assess performance with rating scale Evaluation of observation report of OPD / Eye bank Completion of activity record
Neurology	2	<ul style="list-style-type: none"> Provide care to patients with neurological disorders Counsel and educate patient and families 	<ul style="list-style-type: none"> Perform neurological examination Use Glasgow coma scale Assist with diagnostic procedures Assist with therapeutic procedures Teach patients and families Participate in rehabilitation program 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients with neurological disorders. Case study / case presentation-1 Maintains drug book Health teaching-1 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of case study & health teaching Completion of activity record.

Gynaecology ward	1	<ul style="list-style-type: none"> • Provide care to patients with gynaecological disorders • Counsel and educate patient and families 	<ul style="list-style-type: none"> • Assist with gynaecological Examination • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients and families • Teaching self breast examination • Assist with PAP smear collection 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients • Nursing care plan-1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan • Completion of activity record
Burns unit	1	<ul style="list-style-type: none"> • Provide care to patients with burns • Counsel and educate patient and families 	<ul style="list-style-type: none"> • Assessment of the burns patients percentage of burns, degree of burns • Fluid & electrolyte • Fluid & electrolyte replacement therapy - Assess Calculate, Replace, Record intake / output • Care of Burn wounds <ul style="list-style-type: none"> - Bathing - Dressing • Perform active & passive exercises • Practice medical & surgical asepsis 	<ul style="list-style-type: none"> • Provide care to 1-2 assigned patients • Nursing care plan-1 • Observation report of burns unit 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan and observation report • Completion of activity record

			<ul style="list-style-type: none"> • Counsel & Teach patients and families • Participate in rehabilitation program 		
Oncology unit	1	<ul style="list-style-type: none"> • Provide care to patients with cancer • Counsel and educate patient and families 	<ul style="list-style-type: none"> • Screen for common cancers- TNM classification • Assist with diagnostic procedures • Biopsies • PAP smear • Bone-marrow aspiration • Breast examination • Assist with therapeutic procedures • Participates in various modalities of treatment <ul style="list-style-type: none"> - Chemotherapy - Radiotherapy - Pain management - Stomalththerapy - Hormonal therapy - Immuno therapy - Gene therapy - Alternative therapy • Participate in palliative care • Counsel and teach patients families 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients • Nursing care plan-1 • Observation report of cancer unit 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan and observation report • Completion of activity record

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

			<ul style="list-style-type: none"> • Total parenteral therapy • Chest physiotherapy • Perform active & passive exercises • Counsel the patient and family in dealing with grieving and bereavement 		
Casualty / Emergency	1	<ul style="list-style-type: none"> • Provide care to patients in emergency and disaster situation • Counsel patient and families for grief and bereavement 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Observation report of emergency unit 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of observation report • Completion of activity record

Placement : Internship

Area	Duration (in week)	Objectives	Skills	Assignments
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies	Integrated Practice	Assess clinical performance with rating scale
Surgical ward	2			
Critical care unit / ICU	1	Assist with common operations		
Casualty / Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

Third Basic B.Sc. (Nursing)
3410

MED. SUR. NUR. II-I

Third Year Basic B.Sc Nursing (Main)
Examination Month Year
MEDICAL SURGICAL NURSING - II

Paper I

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

Third Year Basic B.sc Nursing (Main)
Examination Month Year
MEDICAL SURGICAL NURSING-II
Paper I

Time: Three Hours
Maximum Marks: 75

Q.No.1.**Long essays (Attempt any Two)**

10x2=20

- (a) Define CVA? Write the Pathophysiology and clinical manifestation of CVA. Write the management of unconscious patient with stroke
- (b) BWhat is Glaucoma? Describe the types and Pathophysiology. Write down the Nursing and Medical Management of Glaucoma
- (c) C What is breast self examination? Describe the stages and clinical manifestation of breast cancer. Write down the nursing and medical management of breast cancer.

Q.No.2.**Short essays (Attempt any Seven)**

5x7=35

- (a) Otitis Media
- (b) Palliative care
- (c) Retinal detachment
- (d) Head injury
- (e) Rules of Nine in burn
- (f) Triage
- (g) Chemotherapy
- (h) CPR (Cardio Pulmonary Resuscitation)
- (i) Nursing Management of Critically ill Patient

Q.No.3.**Short answers**

2x10=20

- (a) Menstrual cycle
- (b) Myocardial infarction
- (c) Disaster
- (d) Warning signs of cancer
- (e) AMD
- (f) MTP
- (g) Brain abscess
- (h) Sinusitis
- (i) Deafness
- (j) Care of older adult patients.

(3420) CHILD HEALTH NURSING

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	200 Marks
Duration	-	3 Hrs. (Theory)

Placement – Third Year

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 methods
I	15	<ul style="list-style-type: none"> • Explain the modern concept of child care & principles of child health nursing • Describe national policy programs and legislation in relation to child health and to child health and welfare. • List major causes of death during infancy, early & late childhood • Describe the major 	<p>Introduction to Modern concepts of childcare</p> <ul style="list-style-type: none"> • Internationally accepted rights of the child • National policy and legislations in relation to child health and welfare • National programmes related to child health and welfare • Agencies related to welfare services to the children • Changing trends in hospital care, preventive, promotive and curative aspects of child health. 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration of common paediatric procedures 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of skills with checklist

		<p>functions and role of the paediatric nurse in caring for a hospitalized child.</p> <ul style="list-style-type: none"> Describe the principles of child health nursing 	<ul style="list-style-type: none"> Child morbidity and mortality rates. Differences between an adult and child Hospital environment for a sick child. Impact of hospitalization on the child and family. Grief and bereavement The role of a child health nurse in caring for a hospitalized child Principles of pre and post operative care of infants and children Child health nursing procedures. 		
II	20	<ul style="list-style-type: none"> Describe the normal growth & development of children at different ages Identify the needs of children at different ages & provide parental guidance Identify the nutritional 	<p>The health child</p> <ul style="list-style-type: none"> Principles of growth and development Factors affecting growth & development Growth and development from birth to adolescence The needs of normal children through the stages of 	<ul style="list-style-type: none"> Lecture Discussion Developmental study of infant and children Observation study of normal and sick child Field visit to child guidance clinic Clinical practice / field 	<ul style="list-style-type: none"> Short answer Objective type Assessment of field visits and developmental study reports.

		<p>needs of children at different ages and ways of meeting the needs</p> <ul style="list-style-type: none"> Appreciate the role of play for normal & sick children Appreciate the preventive measures and strategies for children 	<p>developmental and parental guidance</p> <ul style="list-style-type: none"> Nutritional needs of children & infants : breast feeding exclusive breast feeding, supplementary / artificial feeding and weaning. Baby friendly hospital concept. Accidents : causes and prevention Value of play and selection of play material Preventive immunization, immunization programme and cold chain Care of under five & under five clinics / well baby clinics 		
III	15	<ul style="list-style-type: none"> Provide care to normal & high risk neonates Perform neonatal resuscitation Recognize and manage common neonatal problems 	<p>Nursing care of a neonate</p> <ul style="list-style-type: none"> Nursing care of a normal newborn / essential newborn care Neonatal resuscitation Nursing management of a low birth weight baby. Kangaroo mother care Nursing management of common neonatal disorders 	<ul style="list-style-type: none"> Lecture discussion Workshop on neonatal resuscitation Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answer Objective type Assessment of skill with checklist

			<ul style="list-style-type: none"> • Organization of neonatal unit • Identification & nursing management of common congenital malformations. 		
IV	10		Integrated management of neonatal and childhood illnesses (IMNCI)		
V	20	<ul style="list-style-type: none"> • Provide nursing care in common childhood diseases • Identify measures to prevent common childhood diseases including immunization 	Nursing management in common childhood diseases <ul style="list-style-type: none"> • Nutritional deficiency disorders. • Respiratory disorders and infections • Gastrointestinal infections, infestations and congenital disorders. • Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease • Genito-urinary disorders: acute glomerulo nephritis, nephritic syndrome, wilms, tumor, infection and congenital disorders. • Neurological infections and congenital disorders. 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of skills with checklist

			<ul style="list-style-type: none"> • Neurological infection and disorders : convulsions, epilepsy, meningitis, hydrocephalus, spinal-bifida. • Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia. • Endocrine disorders: Juvenile diabetes mellitus • Orthopedic disorders: club feet, hip dislocation and fracture. • Disorders of skin, eye and ears • Common communicable disease in children, their identification, nursing management in hospital and home and prevention. • Child health emergencies : poisoning, foreign bodies, hemorrhage, burns and drowning • Nursing care of infant and children with HIV / AIDS. 		
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VI	10	<ul style="list-style-type: none"> • Manage the child with behavioural & social problems • Identify the social & welfare service for challenged children 	Management of behavioural & social problems in children <ul style="list-style-type: none"> • Management of common behavioural disorders • Management of common psychiatric problems. • Management of challenged children: mentally, physically, & socially challenged • Welfare services for challenged children in India. • Child guidance clinics 	<ul style="list-style-type: none"> • Lecture discussion • Field visits to child guidance clinics, school for mentally & physically, socially challenged 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of field reports
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CHILD HEALTH NURSING (PRACTICAL)

Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	100 Marks

Placement - Third Year

Area	Duration (in week)	Objectives of Posting	Skills	Assignments	Assessment methods
Pediatric Medicine Ward	3	<ul style="list-style-type: none"> • Provide nursing care to children with various medical disorders • Counsel & educate parents. 	<ul style="list-style-type: none"> • Taking paediatric history • Physical examination and assessment of children • Administer of oral, I/M & IV medicine / fluids • Calculation of fluid requirements • Prepare different strengths of I.V. fluids • Apply restraints • Administer O2 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 	<ul style="list-style-type: none"> • Give care to three assigned paediatrics patients • Nursing care plan – 1 • Case study / presentaion – 1 • Health Talk – 1 	<ul style="list-style-type: none"> • Asses clinical performance with rating scale • Assess each skill with checklist OSCE/OSPE • Evaluation of case study/ presentaion and health education session • Completion of activity record

			<ul style="list-style-type: none"> - Malnutrition, Oral rehydration therapy, Feeding & Weaning Immunization schedule Play therapy : -Specific Disease conditions. 		
Pediatric Surgery ward	3	<ul style="list-style-type: none"> •Recognize different pediatric surgical conditions / malformations • Provide pre and post operative care to children with common paediatric surgical conditions / malformation • Counsel and educate parents 	<ul style="list-style-type: none"> • Calculate, prepare and administer I/V fluids. • Do bowel wash • Care for ostomies : <ul style="list-style-type: none"> - Colostomy Irrigation Ureterostomy Gastrostomy Enterostomy • Urinary catheterization and drainage • Feeding <ul style="list-style-type: none"> - Naso-gastric Gastrostomy Jejunostomy • Care of surgical wounds <ul style="list-style-type: none"> Dressing - Suture removal 	<ul style="list-style-type: none"> • Give care to three assigned paediatrics surgical patients • Nursing care plan – 1 • Case study / presentation – 1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with checklist OSCE/ OSPE • Evaluation of case study / presentaion • Completion of activity record.

Pediatric OPD / Immunization room	1	<ul style="list-style-type: none"> • Perform assessment of children healthy, developmental and anthropometric • Perform immunization • Give health education / Nutritional education 	<ul style="list-style-type: none"> • Assessment of children <ul style="list-style-type: none"> -Health assessment -Developmental assessment -Anthropometric assessment • Immunization • Health / Nutritional Education - 	<ul style="list-style-type: none"> •Developmental study – 1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Completion of activity record
Paediatric medicine and surgery ICU	1+1	<ul style="list-style-type: none"> • Provide nursing care to critically ill children 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Nursing care plan 1 • Observation report 1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Completion of activity record • Evaluation of observation report

Third Year Basic B.sc Nursing (Main)
Examination Month Year
CHILD HEALTH NURSING
Paper II

Time: Three Hours
Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two) 10x2=20

- Define Growth & Development, factors affecting growth & Development and principles of growth & Development.
- Write down hanging trends in hospital care, preventive, promotive and curative aspects of child health.
- Define meningitis. Explain clinical manifestation of septic meningitis. Prepare nursing care plan child with meningitis.

Q.No.2. Short essays (Attempt any Seven) 5x7=35

- Essential new born care
- Nursing management of a low birth weight baby
- Kangaroo mother care
- Nursing management of common congenital malformations
- Wills tumors
- Tetrolgy of Fallot
- Birth Asphaxia
- Rheumatic heart disease
- Hirchsprung disease

Q.No.3. Short answers 2x10=20

- Intussusceptions
- Breast feeding techniques
- Define jaundice
- Sucking reflex
- APGAR score
- Nephrotic syndrome definition
- Fetal circulation.
- CPR
- Hemophilia
- Cleft lip and plate

(3430) MENTAL HEALTH NURSING

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	200 Marks
Duration	-	3 Hrs. (Theory)

Placement – Third Year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	<ul style="list-style-type: none"> Describe the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Describe the National Mental Health Act, programmes and mental health policy 	<p>Introduction</p> <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Objective type Short answer Assessment of the field visit reports

		<ul style="list-style-type: none"> • Discusses the scope of mental health nursing • Describe the concept of normal & abnormal behaviour 	<ul style="list-style-type: none"> • 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 behaviour 		
II	5	<ul style="list-style-type: none"> • Define the various terms used in mental health nursing • Explain the classification of mental disorders • Explain psycho dynamics of maladaptive behaviour • Discuss the etiological factors, psychopathology of mental disorders • Explain the principles and standards of 	<p>Principles and concepts of Mental Health Nursing</p> <ul style="list-style-type: none"> • Definition: mental health nursing and terminology used • Classification of mental disorders : ICD • Review of personality development, defense mechanisms • Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s) • Etiology: bio-psycho-social factors • Psychopathology of mental disorders: review of structure 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts • Review of personality development 	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type

		<p>mental health nursing</p> <ul style="list-style-type: none"> • Describe the conceptual models of mental health nursing 	<p>and function of brain, limbic system and abnormal neuro transmission</p> <ul style="list-style-type: none"> • Principles of Mental Health nursing • Standards of Mental Health nursing practice • Conceptual models and the role of nurse: Existential Model Psycho-analytical models Behavioral model - Interpersonal model 		
III	8	<ul style="list-style-type: none"> • Describe nature, purpose and process of assessment of mental health status 	<p>Assessment of mental health status</p> <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental status examination • Neurological examinations: Review • Investigations: Related Blood chemistry, EEG, CT & MRI • Psychological tests • Role and responsibilities of nurse 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practical session • Clinical practice 	<ul style="list-style-type: none"> • Short answer • Objective type • Assessment of skills with check list

IV	6	<ul style="list-style-type: none"> Identify therapeutic communication techniques Describe therapeutic relationship Describe therapeutic Impasse and its Intervention 	Therapeutic communication and nurse-patient relationship <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture discussion Demonstration Role play Process recording 	<ul style="list-style-type: none"> Short answer Objective type
V	14	<ul style="list-style-type: none"> Explain treatment modalities and therapies used in mental disorders and role of the nurse 	Treatment modalities and therapies used in mental disorders <ul style="list-style-type: none"> Psycho Pharmacology Psychology therapies: therapeutic community, psycho therapy-individual, Psycho-analytical, cognitive and supportive, family, group, Behavioral, Play, Psycho-drama, Music, Dance, Recreational and Light 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case Presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Objective type

			therapy, Relaxation therapies, Yoga, Meditation, bio feedback <ul style="list-style-type: none"> Alternative systems of medicine Occupational therapy Physical therapy: electro convulsive therapy Geriatric consideration Role of nurse in therapies 		
VI	5	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders 	Nursing management of patient with Schizophrenia, and other psychotic disorders <ul style="list-style-type: none"> Classification: ICD Etiology, psycho-pathology, types, clinical manifestations, diagnosis 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 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case Presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Assessment of patient management problems

VII	5	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders 	Nursing management of patient with mood disorders <ul style="list-style-type: none"> Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc Etiology, psycho-pathology, clinical manifestation 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 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case Presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Assessment of patient management problems
VIII	8	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders 	Nursing management of patient with neurotic, stress related and somatization disorders <ul style="list-style-type: none"> Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive Compulsive disorder, somatoform disorders, Post traumatic stress disorder 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case Presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Assessment of patient management problems

			<ul style="list-style-type: none"> Etiology, psycho-pathology, clinical manifestations, diagnosis Treatment modalities and nursing management of patients with neurotic, stress related with somatization disorders Geriatric considerations Follow-up and home care and rehabilitation 		
IX	5	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestation, diagnostic criteria and management of patients with substance use disorders 	Nursing management of patient with substances use disorders <ul style="list-style-type: none"> Community used psychotropic substance: Classification, forms, routes, action, intoxication withdrawal Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis. Nursing Assessment-History, Physical, mental assessment and drug assay 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case Presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Assessment of patient management problems

			<ul style="list-style-type: none"> • Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders • Geriatric considerations follow-up and home care and rehabilitation 		
X	4	<ul style="list-style-type: none"> • Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management Of patients with personality, sexual and eating disorders 	<ul style="list-style-type: none"> • Nursing management of patient with personality, sexual and eating disorders • Classification of disorders • Etiology, psycho-pathology, characteristics, diagnosis • Nursing Assessment-History, Physical and mental assessment • Treatment modalities and nursing management of patients with personality, sexual and eating disorders. • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case Presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patient • management problems

XI	6	<ul style="list-style-type: none"> • Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency 	<p>Nursing management of childhood and adolescent disorders including mental deficiency</p> <ul style="list-style-type: none"> • Classification • Etiology, psycho-pathology, characteristics, diagnosis nursing Assessment-History, Physical, mental and IQ assessment • Treatment modalities and nursing management of childhood disorders including mental deficiency • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case Presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patient • management problems
XII	5	<ul style="list-style-type: none"> • Describe the etiology, psycho-pathology, clinical Manifestations, diagnostic criteria and management of organic disorders 	<p>Nursing management of organic brain disorders</p> <ul style="list-style-type: none"> • Classification: ICD • Etiology, Psycho-Pathology, Clinical Features, Diagnosis Nad Differential Diagnosis (Parkinsons and alzheimers) • Nursing Assessment-History, Physical, mental and neurological assessment • Treatment modalities and 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case Presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patient • management problems

			<p>nursing management of organic brain disorders</p> <ul style="list-style-type: none"> • Geriatric consideration • Follow-up and home care and rehabilitation 		
XIII	6	<ul style="list-style-type: none"> • Identify psychiatric emergencies and carry out crisis intervention 	<p>Psychiatric emergencies and crisis intervention</p> <ul style="list-style-type: none"> • Types of psychiatric emergencies and their management • Stress Adaptation Model: stress and stressor, coping, resources and mechanism • Grief : Theories of grieving process, principles , techniques of counseling • Types of crisis • Crisis intervention • Principles, Techniques and Process • Geriatric considerations • Role and responsibilities of nurse 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Short answer • Objective type
XIV	4	<ul style="list-style-type: none"> • Explain legal aspects applied in mental health settings and role of the nurse 	<p>Legal issues in Mental health Nursing</p> <ul style="list-style-type: none"> • The Mental Health Act 1987: Act, Sections, Articles and 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion 	<ul style="list-style-type: none"> • Short answer • Objective type

			<p>their implications etc.</p> <ul style="list-style-type: none"> • 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 • Roles and responsibilities of nurse 		
XV	4	<ul style="list-style-type: none"> • Describe the model of preventive psychiatry • Describe community mental health services and role of nurse 	<p>Community Mental health nursing</p> <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Lecture discussion • Clinical/field practice • Field visits to mental health service agencies 	<ul style="list-style-type: none"> • Short answer • Objective type • Assessment of the field visit reports

			<ul style="list-style-type: none"> • Mental health Agencies: Government and Voluntary, National and International • Mental health nursing issues for special population; children, adolescence women, Elderly victims of violence and abuse, handicapped, HIV / AIDS etc 		
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MENTAL HEALTH NURSING (PRACTICAL)

Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	100 Marks

Placement - Third Year

Area	Duration (in week)	Objectives of Posting	Skills	Assignments	Assessment methods
Psychiatric OPD	1	<ul style="list-style-type: none"> • Assess patients with mental health problems 	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Assist in psychometric assessment • Perform Neurological examination • Observe and assist in therapies • Teach patients and family members 	<ul style="list-style-type: none"> • History taking and mental status examination-2 • Health education1 • Observation report of OPD 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Assessment of children with various mental health problems • Counsel and educate children, families and significant others 	<ul style="list-style-type: none"> • History taking • Assist in psychometric assessment • Observe and assist in various therapies • Teach family and significant others 	<ul style="list-style-type: none"> • Case work-1 • Observation report of different therapies-1 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each with checklist • Evaluation of the observation report

Inpatient ward	6	<ul style="list-style-type: none"> Assess patients with mental health problems To provide nursing care for patients with various mental health problems Assist in various therapies Counsel and educate patients, families and significant others 	<ul style="list-style-type: none"> History taking Perform mental status examination (MSE) Perform Neurological examination Assist in psychometric assessment Record therapeutic communication Administer medications Assist in Electroconvulsive therapy (ECT) Participate in all therapies Prepare patients for activities of daily living (ADL) Conduct admission and discharge counseling Counsel and teach patients and families 	<ul style="list-style-type: none"> Give care to 2-3 patients with various mental disorders Case study-1 Care plan-2 Clinical presentation1 Process recording2 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with scale Assess each skill with checklist Evaluation of the case study care plan, Clinical presentation process recording Completion of activity record
Community psychiatry	1	<ul style="list-style-type: none"> To identify patients with various mental disorders To motivate patients for early treatment To assist in follow up clinic Counsel and educate patient, family and community 	<ul style="list-style-type: none"> Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and teach family members, patients and community 	<ul style="list-style-type: none"> Case work-1 Observation report on field visits 	<ul style="list-style-type: none"> Assess performance with rating scale. Evaluation of case work and observation report Completion of activity record.

INTERNSHIP

Area	Duration (in week)	Objectives	Skills	Assignments
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health problems	<ul style="list-style-type: none"> Integrated Practice 	<ul style="list-style-type: none"> Assess clinical performance with rating scale

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Third Year Basic B.Sc Nursing (Main)
Examination Month Year
MENTAL HEALTH NURSING
Paper III

Time: Three Hours

Maximum Marks: 75

- Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20
 Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35
 Q.No.3 Short Answer type (10) 2x10=20

3430

Third Year Basic B.sc Nursing (Main)
Examination Month Year
MENTAL HEALTH NURSING
Paper III
Time: Three Hours
Maximum Marks: 75

Q.No.1.

Long essays (Attempt any Two) 10x2=20

- (a) Define mental health nursing. Explain principles of mental health nursing.
 (b) What is mood disorder? Enumerate types of mania; describe nursing management of bipolar disorder.
 (c) What is withdrawal? Write down classification, route and action of psychotropic substance abuse.

Q.No.2.

Short essays (Attempt any Seven)

5x7=35

- (a) OCD
 (b) Conversion reaction
 (c) Existential Model
 (d) Johari Window
 (e) Schizophrenia
 (f) ECT
 (g) PTSD
 (h) Types of crisis
 (i) Rights of mentally ill client
 (j) Institutionalisation V/S Deinstitutionalisation

Q.No.3.

Short answers

2x10=20

- (a) Stress
 (b) Phobia
 (c) Personality
 (d) Grief
 (e) Waxy-flexibility
 (f) Alzheimer Disease
 (g) Tolerance
 (h) Anxiety
 (i) Therapeutic communication
 (j) Catatonic Schizophrenia

MIDWIFERY AND OBSTETRICAL NURSING

Placement - Third Year & Fourth Year

Course Description: This course is designed for students to appreciate the concept and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnancy managing normal and high risk neonates and participate in family welfare programmes.

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Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> Recognize the trends and issues in midwifery and obstetrical nursing 	Introduction to midwifery and obstetrical nursing <ul style="list-style-type: none"> Introduction to concepts of midwifery and obstetrical nursing 	<ul style="list-style-type: none"> Lecture discussion Explain using charts and graphs 	<ul style="list-style-type: none"> Objective type Short answer Assessment of the field visit reports

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			<ul style="list-style-type: none"> Trends in midwifery and obstetrical nursing Historical perspectives and current trends <ul style="list-style-type: none"> Legal and ethical aspects Per-conception care and preparing for parenthood National policy and legislation in relation to maternal health and welfare. Maternal, morbidity, mortality and fertility rates prenatal, morbidity and mortality rates 		
II	8	<ul style="list-style-type: none"> Describe the anatomy and physiology of female reproductive system 	Review of anatomy and physiology of female reproductive system and foetal development <ul style="list-style-type: none"> Female pelvis-general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape. Female organs of reproduction-external genitalia, internal genital 	<ul style="list-style-type: none"> Lecture discussion Review with charts and Models 	<ul style="list-style-type: none"> Short answers Objective type

			<p>Organs and their anatomical relations, musculature blood-supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum.</p> <ul style="list-style-type: none"> • Physiology of menstrual cycle • Human sexuality • Foetal development - Conception - Review of fertilization, Implantation (embedding of term- functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord. - Foetal circulation, foetal skull, bones, sutures and measurements. • Review of Genetics 		
III	8	<ul style="list-style-type: none"> • Describe the diagnosis and management of women during antenatal period 	<p>Assessment and management of pregnancy (Antenatal)</p> <ul style="list-style-type: none"> • Normal pregnancy • Physiological changes during pregnancy <p>Reproductive system Cardio vascular system Respiratory system Urinary system</p>	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Case Discussion/ Presentation • Health talk • Practice session • Counseling session • Suppressed clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems

			<p>Gastro intestinal system Metabolic changes Skeletal changes Skin changes Endocrine system Psychological changes</p> <p>-Discomforts of pregnancy</p> <ul style="list-style-type: none"> • Diagnosis of pregnancy - Signs <p>Differential diagnosis Confirmatory tests</p> <ul style="list-style-type: none"> • Ante-natal care - Objectives <p>Assessment</p> <ul style="list-style-type: none"> - History and physical examination - Antenatal Examination <p>Signs of previous child-birth, Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position Per vaginal examination</p> <ul style="list-style-type: none"> • Screening and assessment for high risk. • Risk approach • History and Physical Examination • Modalities of diagnosis: 		
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			<p>Invasive & Non-Invasive, ultrasonics, cardiotomography, NST, CST</p> <ul style="list-style-type: none"> • Antenatal preparation <p>- Antenatal counseling Antenatal exercises</p> <p>Diet Substance use Education for child-birth Husband and families Preparation for safe-confinement Prevention from radiation</p> <ul style="list-style-type: none"> • Psycho-social and cultural aspects of pregnancy Adjustment to pregnancy Unwed mother Single parent Teenage pregnancy Sexual violence • Adoption 		
IV	12	<ul style="list-style-type: none"> • Describe the physiology and stages of labour. • Describe the management of women during intra-natal period 	<p>Assessment and management of intra-natal period</p> <ul style="list-style-type: none"> • Physiology of labour, mechanism of labour • Management of labour • First stage 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion/ presentation • Simulated practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list

			<p>Signs and symptoms of onset of labour: normal and abnormal Duration Preparation of:</p> <ul style="list-style-type: none"> • Labour room • Woman <p>- assessment and observation of women in labour; partogram- maternal and foetal monitoring</p> <p>Active management of labour, induction of labour</p> <ul style="list-style-type: none"> - Pain relief and comfort in labour • second stage - signs and symptoms; normal and abnormal <p>Duration</p> <ul style="list-style-type: none"> - Conduction of delivery; Principles and techniques <p>Episiotomy (only if required)</p> <ul style="list-style-type: none"> - Receiving the new born <p>Neonatal resuscitation; initial steps and subsequent resuscitation</p> <p>Care of umbilical cord Immediate assessment including screening for</p>		<ul style="list-style-type: none"> • Assessment of patient management problems
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			<p>congenital anomalies</p> <ul style="list-style-type: none"> - identification - bonding <p>Initiate feeding</p> <p>Screening and transportation of the neonate</p> <ul style="list-style-type: none"> • third stage <p>Signs and symptoms; normal and abnormal</p> <ul style="list-style-type: none"> - duration - method of placental expulsion - management; Principles and techniques - examination of the placenta - examination of perineum • Maintaining records and reports • Fourth stage 		
V	5	<ul style="list-style-type: none"> • Describe the physiology of puerperium • Describe the management of women during post-natal period. 	<p>Assessment and management of women during post natal period</p> <ul style="list-style-type: none"> • Normal puerperium; Physiology duration • Postnatal assessment and management <p>Promoting physical and emotional well-being</p>	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Health talk • Practice session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems

			<p>Lactation management</p> <p>Immunization</p> <p>Family dynamics after child-birth</p> <p>Family welfare services, methods, counselling</p> <p>Follow –up</p> <ul style="list-style-type: none"> - Records and reports 		
VI	6	<ul style="list-style-type: none"> • Describe the assessment and management of normal neonate 	<p>Assessment and management of normal neonates</p> <ul style="list-style-type: none"> • Normal Neonate - Physiological adaptation <p>Initial & Daily assessment</p> <p>Essential newborn care; thermal control</p> <ul style="list-style-type: none"> - Breast feeding, prevention of infections <ul style="list-style-type: none"> • Immunization • Minor disorders of newborn and its management • Levels of Neonatal care (Level I, II & III). • At primary, secondary and tertiary levels • Maintenance of reports and records 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Health talk • Practice session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient Management problems • Assessment of patient management problems

MIDWIFERY AND OBSTETRICAL NURSING - PRACTICAL

Placement - Third Year & Fourth Year

Course Description: This course is designed for students to appreciate the concept 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 managing normal and high risk neonates and participate in family welfare programmes.

Area	Duration (in week)	Objectives of Posting	Skills	Assignments	Assessment methods
Antenatal clinic/OPD	2	<ul style="list-style-type: none"> Assessment of pregnant women 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Conduct Antenatal Examinations 30 Health talk-1 Case book recordings 	<ul style="list-style-type: none"> Verification of findings of Antenatal Completion of case book recordings

Labour room O.T.	4	<ul style="list-style-type: none"> Assess woman in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy and suture it Resuscitate newborns Assist with Caesarean sections, MTP and other surgical procedures 	<ul style="list-style-type: none"> Pervaginal 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 Caesarean section and care for woman & baby during Caesarean Arrange for and assist with MTP and other surgical procedures 	<ul style="list-style-type: none"> Conduct normal deliveries-20 Per-vaginal examinations-5 Perform and Suture the episiotomies-5 Resuscitate newborns-5 Assist with caesarean Section-2 Witness abnormal deliveries-5 Assist with MTP and other surgical Procedure-I Case book recordings 	<ul style="list-style-type: none"> Assessment of clinical performance with rating scale Assessment of each skill with checklists Completion of case book recordings
Post-natal ward	4	<ul style="list-style-type: none"> Provide nursing care to post natal mother and baby Counsel and teach mother and family for parent hood 	<ul style="list-style-type: none"> Examination and assessment of mother and baby Identification of deviations Care of postnatal mother and baby Perineal care 	<ul style="list-style-type: none"> Give care to post natal mothers – 20 Health talks-1 Case study-1 	<ul style="list-style-type: none"> Assessment of clinical performance Assessment of each skill with checklists

			<ul style="list-style-type: none"> Lactation management Breast feeding Baby bath Immunization Teaching postnatal mother: Mother craft Post natal care & Exercises - immunization 	<ul style="list-style-type: none"> Case presentation-1 Case book recordings 	<ul style="list-style-type: none"> Completion of case book recording Evaluation of case study and presentation and health education sessions
New Born Nursery	2	<ul style="list-style-type: none"> Provide nursing care to newborn at risk 	<ul style="list-style-type: none"> Newborn assessment Admission of neonates Feeding of at risk neonates Katori, spoon, palady, tube Feeding, total parenteral nutrition 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 	<ul style="list-style-type: none"> Case study-1 Obsgeration study-1 	<ul style="list-style-type: none"> Assessment of clinical performance Assessment of each skill With checklists Evaluation of and observation study

			<ul style="list-style-type: none"> the nursery Teaching and counseling of parents Maintenance of neonatal records 		
Family Planning clinic	<ul style="list-style-type: none"> Provide nursing care to newborn at risk 	<ul style="list-style-type: none"> Counsel for and provide family welfare services 	<ul style="list-style-type: none"> Counseling technique Insertion of IUD's Teaching on use of family planning methods Arrange for and Assist with family planning operations Maintenance of records and reports 	<ul style="list-style-type: none"> IUD insertion-5 Observation study – 1 Counseling-2 Simulation exercise on recording and reporting-1 	<ul style="list-style-type: none"> 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 Caesarean Section- 2
- Witness/Assist abnormal deliveries- 5
- Postnatal cases nursed in hospital home / health center- 20
- Insertion of IUD- 5

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

INTERNSHIP OBSTETRICAL NURSING

Internship duration - 5 Week

Area	Duration (in week)	Objectives of Posting	Skills	Assignments	Assessment methods
Labour ward	2	<ul style="list-style-type: none"> Provide comprehensive care to mothers and neonates 	<ul style="list-style-type: none"> Integrated practice 	<ul style="list-style-type: none"> Completion of other essential requirements Case book recordings 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Completion of case book recordings
Neonatal intensive care unit NICU	1				
ANTENATAL	2				

(3440) NURSING RESEARCH AND STATISTICS

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs.

Nursing Research & Statistics-Nursing Research should be of 50 marks and Statistics of 25 marks.

Placement : Third Year

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> Describe the concept of research, terms, need and areas of research in nursing. 	Research and research process <ul style="list-style-type: none"> Introduction and need for nursing research 	<ul style="list-style-type: none"> Lecture Discussion Narrate steps of research process followed from examples of published studies 	<ul style="list-style-type: none"> Short answer Objective type

		<ul style="list-style-type: none"> • Explain the steps of research process. 	<ul style="list-style-type: none"> • Definition of research & Nursing research • Steps of scientific method • Characteristics of good research • Steps of research process overview 		
II	3	<ul style="list-style-type: none"> • Identify and state the research problem and objectives 	Research Problem / Question <ul style="list-style-type: none"> • Identification of problem area • Problem statement • Criteria of a good research problem. • Writing objectives 	<ul style="list-style-type: none"> • Lecture discussion • Exercise on writing statement of problem and objectives 	<ul style="list-style-type: none"> • Short answer • Objective type
III	3	<ul style="list-style-type: none"> • Review the related literature 	Review of Literature <ul style="list-style-type: none"> • Location • Sources • Online search • CINHAL, COCHRANE etc. • Purposes • Method of review 	<ul style="list-style-type: none"> • Lecture discussion • Exercise on reviewing one research report / article for a selected research problem • Prepare annotated bibliography 	<ul style="list-style-type: none"> • Short answer • Objective type
IV	4	<ul style="list-style-type: none"> • Describe the research approaches and designs 	Research approaches and designs <ul style="list-style-type: none"> • Historical, survey and experimental • Qualitative and Quantitative designs 	<ul style="list-style-type: none"> • Lecture discussion • Explain types of research approaches used from examples of published and unpublished research studies with rationale 	<ul style="list-style-type: none"> • Short answer • Objective type

V	8	<ul style="list-style-type: none"> • Explain the sampling process • Describe the methods of data collection 	Sampling and data collection <ul style="list-style-type: none"> • 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"> - Methods of data collection - Questioning, interviewing - Observations, record analysis and measurement - Types of instruments - Validity & Reliability of the instrument - Pilot study - Data collection procedure 	<ul style="list-style-type: none"> • Lecture discussion • Reading assignment on examples of data collection tools. • Presentation of sample data collection tool. • Conduct group research project 	<ul style="list-style-type: none"> • Short answer • Objective type
VI	4	<ul style="list-style-type: none"> • Analyze, Interpret and summarize the research data 	Analysis of data <ul style="list-style-type: none"> • Compilation, Tabulation, classification, summarization, presentation, interpretation of data 	<ul style="list-style-type: none"> • Lecture Discussion • Preparation of sample tables 	<ul style="list-style-type: none"> • Short answer • Objective type
VII	15	<ul style="list-style-type: none"> • Explain the use of statistics, scales of measurement and 	Introduction of Statistics <ul style="list-style-type: none"> • Definition, use of statistics, scale of measurement 	<ul style="list-style-type: none"> • Lecture Discussion • Practice on graphical presentations 	<ul style="list-style-type: none"> • Short answer • Objective type

		<p>graphical presentation of data.</p> <ul style="list-style-type: none"> Describe the measures of central tendency and variability and methods of correlation 	<ul style="list-style-type: none"> 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 application 	<ul style="list-style-type: none"> Practice on computation of measures of central tendency, variability & correlation 	
VIII	4	<ul style="list-style-type: none"> Communicate and utilize the research findings 	<p>Communication and utilization of Research</p> <ul style="list-style-type: none"> Communication of research findings <ul style="list-style-type: none"> Verbal report Writing research report Writing scientific article / paper Critical review of published research Utilization of research findings 	<ul style="list-style-type: none"> Lecture Discussion Read / Presentation of a sample published / unpublished research report. Writing group research project 	<ul style="list-style-type: none"> Short answer Objective type Oral presentation assessment of group research project.

Fourth Basic B.Sc. (Nursing) NURS. RES. STATS.- III
3440

Third Year Basic B.Sc Nursing (Main)
Examination Month Year
NURSING RESEARCH AND STATISTICS
Paper IV

Time: Three Hours
Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

Third Year Basic B.sc Nursing (Main)
Examination Month Year
NURSING RESEARCH AND STATISTICS
Paper IVI

Time: Three Hours
Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two.

C is compulsory)

10x2=20

- (a) Define nursing research, Explain steps of scientific method.
- (b) What is population? Enlist types of sampling techniques and describe data collection method.
- (c) Calculate mean, mode and median.

X	2	5	7	10	12	15	18
f	2	3	5	7	8	5	2

Q.No.2. Short essays (Attempt any Seven)

5x7=35

- (a) Qualitative and quantitative designs
- (b) Scale of measurement
- (c) Validity and reliability of the Instruments
- (d) Pilot study
- (e) Criteria of good research problem
- (f) Graphical presentation of data
- (g) Mode
- (h) Writing Research report
- (i) Tabulation

Q.No.3.

Short answer

2x10=20

- (a) Correlation
- (b) Nursing Research
- (c) Verbal Report
- (d) Questioning
- (e) Source of review
- (f) Random sampling
- (g) Open ended
- (h) Standard deviation
- (i) Abstract
- (j) CINAHL

MIDWIFERY AND OBSTETRICAL NURSING - PRACTICAL

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	200 Marks
Duration	-	3 Hrs. (Theory)

Placement - Fourth Year

Course Description: This course is designed for students to appreciate the concept 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 managing normal and high risk neonates and participate in family welfare programmes.

I	10	<ul style="list-style-type: none"> • Describe the Identification and management of women with high risk pregnancy 	<p>High-risk pregnancy- assessment & management</p> <ul style="list-style-type: none"> • Screening & assessment - ultrasonics, cardiography. NST, CST, non- invasive & invasive. Newer modalities of diagnosis • high-risk approach • levels of care; primary, secondary and tertiary levels • disorders of pregnancy - hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic - pregnancy, vesicular mole. 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration using video films, scan reports, pantograph etc. • Case discussion/ presentation on • Health talk • Practice session • Counseling session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems
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		<p>Ante-partum haemorrhage</p> <ul style="list-style-type: none"> • Uterine abnormality and displacement • Diseases complication pregnancy <p>Medical complication pregnancy</p> <ul style="list-style-type: none"> - infection, RTI (STD), UTI, HIV, TORCH - Gynecological diseases <p>Pregnancy induced Hypertension & diabetes; Toxemia of pregnancy, hydramnios</p> <p>Rh incompatibility</p> <p>Mental disorders</p> <ul style="list-style-type: none"> • Adolescent pregnancy, Elderly primi and grand multipara • Multiple pregnancy • Abnormalities of placenta & cord • Intra-uterine growth-retardation • Nursing management of mothers with high-risk pregnancy • Maintenance of records and report 		
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II	10	<ul style="list-style-type: none"> • Describe management of abnormal labour, and obstetrical emergencies 	<ul style="list-style-type: none"> • Abnormal Labour-Assessment & Management • Disorders in labour - CPD and contracted pelvis Malpositions and malpresentations premature labour, disorders of uterine actions-precipitate labour, prolonged labour, Complications of third stage: injuries to birth canal • Obstetrical emergencies and their management Presentation and prolepses of cord, vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock • Obstetrical procedures and operatios. Induction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations • Nursing management of women undergoing Obstetrical operations and procedures 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion / presentation • Practice session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems
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III	4	<ul style="list-style-type: none"> Describe management of post natal complications 	<p>Abnormalities during Postnatal periods</p> <ul style="list-style-type: none"> Assessment and management of woman with postnatal complications Puerperial infections; breast engorgement & infections, UTI, Thrombo-Embotic disorders, post-partum haemorrhage, Eclampsia and subinvolution <p>Psychological complications: Post partum Depression - post partum Psychosis - post partum Blues</p>	<ul style="list-style-type: none"> Lecture discussion Demonstration Case discussion/ presentation Supervised clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems
IV	10	<ul style="list-style-type: none"> Identify the high risk neonates and their nursing management 	<ul style="list-style-type: none"> Assessment and management of High risk newborn Admission of neonates in the neonatal intensive care units- protocols Nursing management of: Low birth weight babies Infections Respiratory problems Haemolytic disorders 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Case discussion/ presentation Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

			<p>Birth injuries Malformations</p> <ul style="list-style-type: none"> Monitoring of high risk neonates Feeding of high risk neonates Organization and management of neonatal intensive care units Infection control in neonatal intensive care units Maintenance of reports and records 		
V	4	<ul style="list-style-type: none"> Describe indication, dosage action, side effects and nurses responsibilities in the administration of drugs used for mothers 	<ul style="list-style-type: none"> Pharmaco-therapeutics in obstetrics Indication, dosage, action, contra indication and side effects of drugs Effect of drugs on pregnancy, labour & puerrperium Nursing responsibilities in the administration of drug in obstetrics - oxytocins, antitypertensives, diuretics, tocolytic agents, anti- convulsants. Analgesics and anesthetics in obstetrics 	<ul style="list-style-type: none"> Lecture discussion Drug book Drug presentation 	<ul style="list-style-type: none"> Short answers Objective type

			<ul style="list-style-type: none"> • Effects of maternal medication on foetus and neonate 		
VI	10	<ul style="list-style-type: none"> • Appreciate the importance of Family Welfare Programme • Describe the methods of contraception and role of nurse in family welfare programmes 	<p>Family Welfare Programmes</p> <ul style="list-style-type: none"> • Population trends and problems in India • Concepts, aims, importance and history of family welfare programme • National population dynamics, policy and education • National family welfare programme; RCH, ICDS, MCH safe motherhood • Organization and administration at national, state, district, block and village levels • Methods of contraception spacing, temporary and permanent, Emergency contraception • Infertility and its management • Counseling for family welfare • Latest research in contraception 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised practice • Group project • Counseling session • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list, project and field visits reports

			<ul style="list-style-type: none"> • 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) 		
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3610

Fourth Year Basic B.Sc Nursing (Main)

Examination Month Year

MIDWIFERY AND OBSTETRICAL NURSING

Paper I

Time: Three Hours

Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

3610

Fourth Year Basic B.sc Nursing (Main)

Examination Month Year

MIDWIFERY AND OBSTETRICAL NURSING

Paper I

Time: Three Hours

Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two) 10x2=20

- (a) Enlist the physiological changes during pregnancy.
- (b) Define abortion. Enlist type of abortion and explain habitual abortion.
- (c) Define puerperium, list out the complication of puerperium. Explain about post partum psychosis.

Q.No.2. Short essays (Attempt any Seven) 5x7=35

- (a) Abruptio placenta
- (b) NST
- (c) Female pelvis
- (d) Adoption
- (e) Puerperal sepsis
- (f) Cord prolapse
- (g) Retained placenta
- (h) Pre conceptual counselling
- (i) High risk pregnancy

Q.No.3. Short answers 2x10=20

- (a) Polyhydramnios
- (b) Involution
- (c) After pain
- (d) Amniocentesis
- (e) Preeclampsia
- (f) Lightening
- (g) Quickening
- (h) Retraction
- (i) Ectopic pregnancy
- (j) Exclusive breast feeding

(3620) COMMUNITY HEALTH NURSING – II

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	200 Marks
Duration	-	3 Hrs. (Theory)

Placement- Fourth Year

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 methods
I	4	<ul style="list-style-type: none"> Define concept, Scope, principles and historical development of community health and community health nursing 	Introduction <ul style="list-style-type: none"> Definition, concept & scope of community health and community health nursing Historical development of - community health Community health nursing Pre- independence - Post-independence 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type short Answer
II	6	<ul style="list-style-type: none"> Describe health plans, policies, various health committees and health problems in India 	Health planning and policies and problems <ul style="list-style-type: none"> National health planning in India-five year plans Various committees and 	<ul style="list-style-type: none"> Lecture Discussion Panel Discussion 	<ul style="list-style-type: none"> Essay type Short Answers

			commissions on health and family welfare Central Council for Health and Family Welfare (CCH and FW) National Population Policy		
III	15	<ul style="list-style-type: none"> Describe the system of delivery of community health services in rural and urban areas List the functions of various levels and their staffing pattern Explain the components of health services Describe alternative systems of health promotion and health maintenance Describe the chain of referral system 	Delivery of community health services <ul style="list-style-type: none"> Planning, budgeting and material management of SCs, PHC and CHC Rural: Organization, staffing and functions of rural health services provided by government at village <ul style="list-style-type: none"> - Subcentre - Primary health centre - Community health center/ sub divisional- - Hospital -- District - State - Centre 	<ul style="list-style-type: none"> Lecture discussion Visits to various health delivery systems Supervised field practice Panel discussion 	<ul style="list-style-type: none"> Essay type Short answers

			<ul style="list-style-type: none"> • Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> - Slums - Dispensaries - Maternal and child health centers Special Clinics <ul style="list-style-type: none"> - Hospitals - Corporation/ Municipality/ Board • Components of health services <ul style="list-style-type: none"> - Environmental sanitation - Health education - Vital statistics - M.C.H antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act - Family welfare - National health programmes - School health services - Occupational health - Defence Services - Institutional services • Systems of medicine and 		
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			<ul style="list-style-type: none"> health care <ul style="list-style-type: none"> - Allopathy - Indian system of Medicine and Homeopathy - Alternative health care systems like yoga, meditation, social and spiritual healing etc. • Referral system 		
IV	25	<ul style="list-style-type: none"> • Describe community Health Nursing approaches and concepts • Describe the roles and responsibilities of Community health nursing personnel 	<p>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</p> <ul style="list-style-type: none"> • Approaches <ul style="list-style-type: none"> - Nursing theories and nursing process - Epidemiological approach - Problem solving approach - Evidence based approach - Empowering people to care for themselves • Concepts of Primary Health care: <ul style="list-style-type: none"> - Equitable distribution - Community participation - Focus on prevention - Use of appropriate technology - Mutli-sectoral approach 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion/ presentation • Simulated practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems

			<p>Roles and Responsibilities of Community health nursing personnel in</p> <ul style="list-style-type: none"> - Family health services - Information Education Communication (IEC) - Management Information System (MIS): Maintenance of Records & reports - Training and supervision of various categories of health workers. - National Health Programmes - Environmental sanitation - Maternal and child health and Family welfare - Treatment of Minor ailments - School health services - Occupational health - Organization of clinics, camps: Types, preparation, planning, conduct and evaluation - Waste management in the center, clinics etc. • Home visit: Concept, principles, Process, Techniques: Bag technique home visit 		
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			<ul style="list-style-type: none"> • Qualities of Community Health Nurse • Job description of Community health nursing personnel 		
V	15	<ul style="list-style-type: none"> • Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health 	<p>Assisting individuals and groups to promote and maintain their health</p> <ul style="list-style-type: none"> • Empowerment for self care of individuals, families and groups in- A. Assessment of self and family - Monitoring growth and development - Mile stones - Weight measurement - Social development - Temperature and Blood pressure monitoring - Menstrual cycle - Breast self examination and testicles - Warning signs of various diseases - Tests: Urine for sugar and albumin, blood sugar 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised field practice • Individual / group/family • Community health education 	<ul style="list-style-type: none"> • Essay type • Short answers

			<p>B. Seek health services for</p> <ul style="list-style-type: none"> - Routing check up - Immunization - Counseling - Diagnosis - Treatment - Follow up <p>C. Maintenance of health records for self and family</p> <p>D. Continue medical care and follow up in community for various diseases and disabilities</p> <p>E. Carry out therapeutic procedures as prescribed / required for self and family</p> <p>F. Waste Management</p> <ul style="list-style-type: none"> • Collection and disposing of waste at home and community <p>G. Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders 		
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			<ul style="list-style-type: none"> • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse <p>H. Utilize community resources for self and family</p> <ul style="list-style-type: none"> • Trauma services • Old age homes • Orphanage • Homes for physically and mentally challenged individuals • Homes for destitute 		
VI	20	<ul style="list-style-type: none"> • Describe community Health Nursing approaches and concepts • Describe the roles and responsibilities of Community health nursing personnel 	<ul style="list-style-type: none"> • National health and family welfare programmes and the role of a nurse 1) National ARI programme 2) Revised National Tuberculosis Control Programme (RNTCP) 3) National Anti-Malaria Programme 4) National Filaria Control Programme 5) National Guinea Worm Eradication Programme 	<ul style="list-style-type: none"> • Lecture discussion • Participation in national health programmes • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers

			6) National Leprosy Eradication Programme 7) National AIDS Control Programme 8) STD Control Programme 9) National Programme for Control of Blindness 10) Iodine Deficiency Disorder Programme 11) Expanded Programme on Immunization 12) National Family Welfare Programme - RCH Programme, Historical Development, Organization, Administration, Research Constraints 13) National water supply and sanitation programme 14) Minimum Need Programme 15) National Diabetics Control Programme 16) Polio Eradication: Pulse Polio Programme 17) National Cancer Control Programme		
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			(18) Yaws Eradication Programme 19) National Nutritional Anemia Prophylaxis Programme 20) 20 Point Programme 21) ICDS Programme 22) Mid-day meal applied nutritional programme 23) National Mental Health Programme <ul style="list-style-type: none"> • Health schemes • ESI • CGHS • Health Insurance 		
VII	5	<ul style="list-style-type: none"> • Explain the roles and functions of various national and international health agencies 	<ul style="list-style-type: none"> • Health Agencies • International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red Cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc. 	<ul style="list-style-type: none"> • Lecture discussion • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers

			<ul style="list-style-type: none"> National – Indian Red Cross, Indian Council for Child Welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kush Nivaran Sangh, Central Social Welfare Board, All India Women's Conference, Blind Association of India ect. 		
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COMMUNITY HEALTH NURSING – II (PRACTICAL)

Practical	-	50 Marks
Internal Assessment	-	50 Marks
Total	-	100 Marks

Placement- Fourth Year

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.

Area	Duration (in week)	Objectives of Posting	Skills	Assignments	Assessment methods
Community Health Nursing	1 wk for urban 4 wk for rural	<ul style="list-style-type: none"> Identify community profile Identify prevalent communicable and non-communicable diseases Diagnosis health needs of individual, families and community Plan provide and evaluate care 	<ul style="list-style-type: none"> Community health survey Community diagnosis Family care : Home adaptation of common procedures Home visit : Bag technique Organize and conduct clinics- antenatal, postnatal, well baby clinic camps etc. Screen manage and referrals for : High risk mother and neonates <p>Accidents and emergencies Illnesses: Physical and Mental Disabilities</p>	<ul style="list-style-type: none"> Community survey report-1 Family care study –1 Project – 1 Health talk – 1 Case book recording 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Evaluation of community survey report, family care study, project and health talk Completion of activity record. Completion of case book recording.

	<ul style="list-style-type: none"> • Participate in school health program • Participate in national health programs • Organize group for self help and involve clients in their own health activities. • Provide family welfare services • Counsel and educate individual, family and community • Collect vital health statistics • Maintain records & reports 	<ul style="list-style-type: none"> • Conduct delivery at center / home : episiotomy and suturing • Resuscitate new born • School Health Programme (EA Screen, manage, refer children) • Collaborate with health and allied agencies • Train and supervise health workers • Provide family welfare services insertion of IUD • Counsel and teach individual, family and community about: HIV, TB, Diabetes, Hypertension, Mental Health Adolescents, Elderly's Health, physically and mentally challenged individuals etc. • Collect and calculate vital health statistics • Document and maintain Individual, family and administrative records. - Write reports- center, disease, national, health programme / project 		
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INTERNSHIP

Area	Duration (in week)	Objectives	Skills	Assignments
Urban	4 weeks	<ul style="list-style-type: none"> • Provide comprehensive care to individual, family and community 	<ul style="list-style-type: none"> • Integrated Practice and group project – 1 in each rural and urban 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale. • Evaluation of project

Note : During the rural posting they should stay in health centers under the supervision of teachers.

Fourth Basic B.Sc. (Nursing) COMM. HEAL. NURS. II-II
3620

Fourth Year Basic B.Sc Nursing (Main)
Examination Month Year
COMMUNITY HEALTH NURSING-II

Paper II

Time: Three Hours
Maximum Marks: 75

Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20

Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35

Q.No.3 Short Answer type (10) 2x10=20

Fourth Basic B.Sc. (Nursing) COMM. HEAL. NURS. II - II
3620

Fourth Year Basic B.sc Nursing (Main)
Examination Month Year
COMMUNITY HEALTH NURSING - II

Paper II

Time: Three Hours
Maximum Marks: 75

Q.No.1. Long essays (Attempt any Two) 10x2=20

- (a) Define community health nursing, Discuss historical development of community health nursing.
- (b) Enumerate various committees and commissions on health, explain Mudliar committee in detail.
- (c) Describe health care delivery system in India.

Q.No.2. Short essays (Attempt any Seven) 5x7=35

- (a) Primary health centre
- (b) MTP act
- (c) Health education
- (d) Female foeticide
- (e) Occupational health hazards
- (f) AYUSH
- (g) Components of health services.
- (h) School health services
- (I) RNTCP

Q.No.3. Short answers 2x10=20

- (a) Define health
- (b) Define occupational health
- (c) Name of the drugs under RNTCP
- (d) Concept of home visit
- (e) Warning sign of various disease
- (f) Measurement of BMI
- (g) Function of subcentre
- (h) Phase of home visit
- (i) Define vital statistics
- (j) Population under CHC

(3630) MANAGEMENT OF NURSING SERVICES AND EDUCATION

Theory	-	75 Marks
Internal Assessment	-	25 Marks
Total	-	100 Marks
Duration	-	3 Hrs.

Placement : Fourth Year

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

Unit	Time (Hrs.)	Pr.	Learning Objectives	Content	Teaching Learning Activities	Evaluation
I	4		<ul style="list-style-type: none"> Explain the principles and functions of management 	<ul style="list-style-type: none"> Introduction to management in nursing Definition, concepts and theories Functions of management Principles of management Role of Nurse as a manager 	<ul style="list-style-type: none"> Lecture Discussion Explain using organization chart 	<ul style="list-style-type: none"> Short answer
II	5		<ul style="list-style-type: none"> Describe the elements and process of management 	<ul style="list-style-type: none"> Management process Planning; mission, philosophy, objectives, operational plan Staffing: philosophy, staffing study, norms, activities, 	<ul style="list-style-type: none"> Lecture Discussion Simulated Exercises Case studies 	<ul style="list-style-type: none"> Essay type Short answer

				<p>patients classification systems, scheduling</p> <ul style="list-style-type: none"> Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc. 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) 		
III	8	2	<ul style="list-style-type: none"> Describe the management of nursing services in the hospital and community 	<ul style="list-style-type: none"> Management of nursing services in the hospital and community Planning: <ul style="list-style-type: none"> Hospital and patient care units including ward management. Emergency and disaster 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Stimulated Exercises Case studies Supervised practice in ward-writing indents, preparing duty roster, ward supervision 	<ul style="list-style-type: none"> Essay type Short answers Assessment of problem solving exercise Assessment

				<p>management</p> <ul style="list-style-type: none"> • Human resource management • Recruiting, selecting, deployment, retaining, promoting, superannuation etc. • Categories of nursing personnel including job description of all levels • Patient / population classification systems. - Patients / Population assignment and nursing care responsibilities - Staff development and welfare • Budgeting : proposal, projecting requirements for staff, equipments and supplies for - Hospital and patient care units • Emergency and disaster management • Material Management: procurement, inventory control, auditing and maintenance in 	<ul style="list-style-type: none"> • Assignment on duties and responsibilities of ward sister • Writing report 	<p>of the assignments</p> <ul style="list-style-type: none"> • Performance evaluation by ward sister with rating scale.
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				<ul style="list-style-type: none"> • Hospital and patient care units • Emergency and disaster management • Directing and leading delegation, participatory management - Assignments, rotations, delegations • Supervision & guidance • Implement standards, policies, procedures and practices • Staff development and welfare • Maintenance of discipline • Controlling / Evaluation: • Nursing rounds / visits, Nursing protocols, manuals • Quality Assurance model • Records and reports • Performance appraisal 		
IV	5		Describe the concepts, theories and techniques of Organizational behaviors and human relation	<ul style="list-style-type: none"> • Organizational behaviors and human relations • Concepts and theories of organizational behaviors • Review of channels of communication 	<ul style="list-style-type: none"> • Lecture discussion • Role plays • Group games • Self assessment • Case discussion • Practice session 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of problem solving

				<ul style="list-style-type: none"> • Leadership styles • Review of motivation: concepts and theories • Group dynamics • Techniques of • Communication and • Interpersonal relationship - Human relations • Public relations in context of nursing • Relations with professional associations and employee unions and collective bargaining 		
V	5	5	Participate in planning and organizing in service education program	<ul style="list-style-type: none"> • In service education • Nature & scope of service education program • Organization of inservice education • Principles of adult learning • Planning for in service education program, techniques, methods & evaluation of staff education program • Preparation of report 	<ul style="list-style-type: none"> • Lecture Discussion • Plan & conduct an educational session for in service nursing personnel 	<ul style="list-style-type: none"> • Short answer • Objective type • Assess the planning & conduct of the educational session

VI	10		<ul style="list-style-type: none"> • Describe management of nursing educational institutions 	<ul style="list-style-type: none"> • Management of nursing educational institutions • Establishment of nursing educational institution – INC norms and guidelines • Co-ordination with • Regulatory bodies • Accreditation • Affiliation • Philosophy / objectives • Organization • Structure • Committees • Physical facilities • College / school • Hostel • Students • Selection • Admission • Guidance and counseling • Maintaining discipline • Faculty and staff • Selection • Recruitment • Job description • Placement • Performance appraisal • Development and welfare 	<ul style="list-style-type: none"> • Lecture Discussion • Role plays • Counseling session • Group Exercises 	<ul style="list-style-type: none"> • Essay type • Short answers
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				<ul style="list-style-type: none"> • Budgeting • Equipments and supplied: audio visual equipments; laboratory equipment, books, journals etc. • Curriculum, planning, implementation and evaluation • Clinical facilities. • Transport facilities • Institutional records and reports administrative, faculty, staff and students 		
VII	10		<ul style="list-style-type: none"> • Describe the ethical and legal responsibilities of a professional nurse. • Explain the nursing practice standards 	<p>Nursing as a profession</p> <ul style="list-style-type: none"> • Nursing as a profession • Philosophy; nursing practice • Aims & objectives • Characteristics of a 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 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Panel discussion • Role plays • Critical incident • Visit to INC/ SNRCs 	<ul style="list-style-type: none"> • Short answer • Assessment of critical incidents

				<ul style="list-style-type: none"> • Practice standards of nursing : INC • Consumer protection act • Legal aspects in nursing • Legal terms related registration and licensing • Laws related to nursing practice breach and penalties • Malpractice and negligence 		
VIII	3		<ul style="list-style-type: none"> • Explain the various opportunities for professional advancement 	<p>Professional advancement:</p> <ul style="list-style-type: none"> • Continuing education • Career opportunities • Collective bargaining • Membership with professional organization, national and international • Participation in research activities • Publications : Journals, newspapers etc. 	<ul style="list-style-type: none"> • Lecture Discussion • Review / Presentation of published articles • Group work on maintenance of bulletin board 	<ul style="list-style-type: none"> • Short answers

**Fourth Basic B.Sc. (Nursing) MAN. NURS. SERV. EDUC.-IV
3630**

**Fourth Year Basic B.Sc Nursing (Main)
Examination Month Year
MANAGEMENT OF NURSING SERVICES AND
EDUCATION
Paper III
Time: Three Hours
Maximum Marks: 75**

- Q.No.1 Long Essay type (Attempt any two out of three) 10x2=20
- Q.No.2 Short Essay type (Attempt any seven out of nine) 5x7=35
- Q.No.3 Short Answer type (10) 2x10=20

MODEL PAPER

**Fourth Basic B.Sc. (Nursing) MAN. NURS. SERV. EDU. -IV
3630**

**Fourth Year Basic B.sc Nursing (Main) Examination Month
Year
MANAGEMENT OF NURSING SERVICES AND
EDUCATION
Paper III
Time: Three Hours
Maximum Marks: 75**

- Q.No.1. Long essays (Attempt any Two) 10x2=20
- (a) Define administration and management. Describe principles of management.
- (b) Define in-service education. Discuss about method and techniques of in-service education
- (c) Define nursing as a profession. Discuss about the regulatory bodies in nursing.

- Q.No.2. Short essays (Attempt any Seven) 5x7=35

- (a) Staff development and welfare
- (b) Performance and appraisal
- © Leadership
- (d) Role of nurse as a manager
- (e) Recruitment process
- (f) Public relation in nursing
- (g) Collective bargaining
- (h) Organisational behaviour
- (i) Group dynamics

- Q.No.3. Short answers 2x10=20

- (a) Continuing education
- (b) Job responsibilities of staff nurse
- (c) Scientific management theory
- (d) Concepts of management
- (e) Decision making
- (f) Delegation
- (g) Co ordination
- (h) Disaster management
- (i) Discipline in nursing
- (j) Records and reports

RULES FOR THE AWARD OF GRACE MARKS FOR Basic B.Sc. NURSING EXAMINATIONS.

1. A student who obtains the required minimum pass marks in the total aggregate but fails to obtain the minimum pass marks in one subject in theory and / or practical as the case may be, will be awarded the grace marks upto a maximum of 05 marks according to the following scale, provided the candidate passes the examination by award of such grace marks:

For 1 to 6 marks above the minimum aggregate	=	2 grace marks
For 7 to 12 marks above the minimum aggregate	=	3 grace marks
For 13 to 18 marks above the minimum aggregate	=	4 grace marks
For 19 and above the minimum aggregate	=	5 grace marks

2. No grace marks would be awarded to a candidate who appears in part /supplementary/remanded examination.
3. A candidate who passes in a paper /practical or the aggregate by the award of grace marks will be deemed to have obtained the necessary minimum for a pass in that paper/practical or in the aggregate and shown in the marks sheet to have passed by grace. Grace marks will not be added to the marks obtained by a candidate from the examiners.
4. If a candidate passes the examination but misses First or Second Division by one mark, his aggregate will be raised by one marks so as to entitle him for the first or second division, as the case may be. This one mark will be added to the paper in which he gets the least marks and also in the aggregate by showing +1 in the tabulation register below the marks actually obtained by the candidate. The marks entered in the marks-sheet will be inclusive of one grace mark and it will not be shown separately.
5. Non appearance of a candidate in any paper will make him ineligible for grace marks. The place of a passed candidate in the examination list will, however, be determined by the aggregate marks he secures from the examiners.
6. Distinction won in any subject at the examination is not to be forfeited on the score that a candidate has secured grace marks to pass the examination.

