

Table 3. Third Year Basic B.Sc. Nursing

Subjects	Theory Hours	Practical Hours (Clinical)	Hours
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	90	180	
5. Library work / Self Study			50
6. Co-curricular activities			50
TOTAL	390	990	100
TOTAL HOURS = 1480 HRS			

Table 4. Fourth Year Basic B.Sc. Nursing

Subjects	Theory Hours	Practical / Clinical Hours
1. Midwifery and Obstetrical Nursing	Nil	180
2. Community Health Nursing – II	90	135
3. Nursing Research & Statistics	45	* Project
4. Management of Nursing Services and Education	60 + 30	
TOTAL	225	315
TOTAL HOURS = 540 HRS		

- *Project work to be carried out during clinical training.*

Table 5. Details of Distribution of Hours for clinical training (Integrated Practice)

Subject	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	145	3
5. Mental Health	95	2
6. Research Project	45	1
Total	1150	24
Hours		

Third Year

Table 8. Distribution of Subjects and Marks for Internal Assessment and University Examination for Third Year Basic B.Sc. Nursing

Subject	Hours	Internal Assessment	University Exam	Total
Theory				
13. Medical Surgical Nursing- II	3	40	100	140
14. Child Health Nursing	3	40	100	140
15. Mental Health Nursing	3	40	100	140
Practical and Viva Voce				
3. Medical - Surgical Nursing- II		50	50	100
4. Child Health Nursing		50	50	100
5. Mental Health Nursing		50	50	100

Note: All practical examinations must be held in the respective clinical areas.
One internal and one external examiner should jointly conduct practical /clinical examination for each student.

Fourth Year

Table 9. Distribution of Subjects and Marks for Internal Assessment and University Examination for Fourth Year Basic B.Sc. Nursing

Subject	Hours	Internal Assessment	University Exam	Total
Theory				
16. Midwifery and Obstetrical Nursing		40	100	140
17. Community Health Nursing – II		40	100	140
18. Nursing Research & Statistics		40	100	140
19. Management of Nursing Services and Education		40	100	140
Practical and Viva Voce				
6. Midwifery and Obstetrical Nursing		50	50	100
7. Community Health Nursing		50	50	100

Note: All practical examinations must be held in the respective clinical areas.
One internal and one external examiner should jointly conduct practical /clinical examination for each student.

Community Health Nursing – II

Placement : Fourth Year

Time: Theory - 90 Hours

Practical - 135 Hours

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

Unit	Time (Hrs)	Learning Objectives	Contents and Teaching Learning Activity
I	4	* Define Concepts, scope, principles and historical development of community health and community Health nursing	<p>Introduction</p> <ul style="list-style-type: none"> * Definition, concept and scope of Community Health and Community Health Nursing * Historical development of <ul style="list-style-type: none"> ○ Community Health ○ Community Health Nursing - Pre-independence - Post-independence <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion
II	6	* Describe health plans, policies, various health committees and health problems in India	<p>Health planning and policies and problems</p> <ul style="list-style-type: none"> * National Health planning in India – 5 year plans * Various committees and commissions on health and family welfare <ul style="list-style-type: none"> ○ Central council for health and family welfare (CCH and FW) ○ National Health Policies (1983, 2002) ○ National Population policy ● Health problems in India <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Panel discussion
III	15	* Describe the system of delivery of Community Health Services in Rural and Urban areas * List the functions of various levels	<p>Delivery of Community Health Services</p> <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 Govt. at : <ul style="list-style-type: none"> ○ Village ○ Subcentre ○ Primary Health Centre

		<p>and their staffing pattern</p> <p>* Explain the components of health services</p> <p>* Describe alternative system of health promotion and health maintenance</p> <p>* Describe the chain of referral system</p>	<ul style="list-style-type: none"> ○ Community Health Centre/Sub divisional ○ Hospitals ○ District ○ State ○ Centre <p>* Urban: Organisation, staffing and functions of urban health services provided by Govt. at :</p> <ul style="list-style-type: none"> ○ Slums ○ Dispensaries ○ Maternal and child health centres ○ Special clinics ○ Hospitals ○ Corporation/Municipality/Board <p>* Components of Health Services</p> <ul style="list-style-type: none"> ○ Environmental sanitation ○ Health Education ○ Vital statistics ○ MCH – Antenatal, Natal, Postnatal, MTP act, female foeticide act, child adaptation act. ○ Family welfare] ○ National Health programmes ○ School Health Services ○ Occupational Health ○ Defence services ○ Institutional services <p>* Systems of medicine and health care</p> <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 <p>* Referral system</p> <p>Teaching Learning Activity</p> <p>* Lecture discussion</p> <p>* Visits to various health delivery systems</p> <p>* Supervised field practice</p> <p>* Panel discussion</p>
IV	25	<p>* Describe Community Health Nursing approaches and concepts</p> <p>* Describe the roles and responsibility of Community Health Nursing Personnel</p>	<p>Community Health Nursing approaches, concepts and roles and responsibilities of Nursing Personnel</p> <p>* Approaches</p> <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 <p>* Concepts of Primary Health Care:</p>

			<ul style="list-style-type: none"> ○ Equitable distribution ○ Community participation ○ Focus on prevention ○ Use of appropriate technology ○ Multi-sectoral approach <p>* Roles and responsibilities of Community Health</p> <p>Nursing personnel in</p> <ul style="list-style-type: none"> ○ Family Health services ○ Information education communication (IEC) ○ Management information system (MIS): Maintenance of records and 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 ○ Organisation of clinics, camps: types, preparation, planning, conduct and evaluation ○ Waste management in the centre, clinics etc. <p>* Home visit: concept, principles, process techniques: bag technique home visit</p> <p>* Quantities of community health nurse</p> <p>* Job description of community Health Nursing personnel</p> <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session * Supervised field practice * Participation in camps * Group Project
V	15	* 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> <p>* Empowerment for self care of individuals, families and groups in -</p> <p>A. Assessment of self and family</p> <ul style="list-style-type: none"> ○ Monitoring growth and development - Mile stones - Weight measurement - Social development ○ Temperature and Blood pressure monitoring ○ Menstrual cycle

			<ul style="list-style-type: none"> ○ Breast self examination and testicles ○ Warning Signs of various diseases ○ Tests: Urine for sugar and albumin, blood sugar <p>B. Seek health services for</p> <ul style="list-style-type: none"> ○ Routine checkup ○ 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 Carryout therapeutic procedures as prescribed / required for self and family</p> <p>F. Waste Management</p> <p>* Collection and disposable of waste at home and community</p> <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 * 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 <p><i>Teaching Learning Activity</i></p> <ul style="list-style-type: none"> * Lecture discussion
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			<ul style="list-style-type: none"> * Demonstration * Practice session * Supervised field practice * Individual / group/family/ community health education
VI	20	<ul style="list-style-type: none"> * Describe national health and family welfare programmes and role of a nurse * Describe the various health schemes in India 	<p>National health and family welfare programmes and the role of a nurse</p> <ol style="list-style-type: none"> 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 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 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 <ul style="list-style-type: none"> o ESI o CGHS o Health insurance <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Participation in National Health Programmes * Field visits

VII	5	Explain the roles and functions of various national and international health agencies	<p>* Health Agencies</p> <p>International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc.</p> <p>National – Indian Red Cross, Indian council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women’s conference, Blind Association of India etc.</p> <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Field Visits
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Community Health Nursing – II – Practical

Placement : Fourth Year

Time: Practical - 135 hours

Clinical Training -

195 hours

Areas	Duration(in week)	Objectives	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 * Diagnose health needs of individual, families and community * Plan, provide and evaluate care * 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 and reports 	<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: <ul style="list-style-type: none"> ○ High risk mothers and neonates ○ Accidents and emergencies ○ Illness : Physical and mental ○ Disabilities * Conduct delivery at centre/home: Episiotomy and suturing * Resuscitate new born * School Health programme <ul style="list-style-type: none"> ○ Screen, manage, refer children 	<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"> * 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, Diabetics, hypertension, Mental health, adolescents, elderly health, physically and mentally challenged individuals etc. * Collect and Calculate Vital health statistics * Document and maintain <ul style="list-style-type: none"> ○ Individual, family and administrative records. ○ Write reports-center, disease, national health programme/projects 		
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Placement: Clinical Training

Time: 4 Weeks

Area	Duration	Objectives	Skills	Assessment
Urban	4 Weeks	* Provide comprehensive care to individual, family and community	* Integrated Practice and group project – 1 in each rural and urban	* 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.

Scheme of University Examination for Community Health Nursing

Theory

There shall be one theory paper of three hours duration carrying 100 marks. Distribution of type of questions and marks for Community Health Nursing shall be as given under.

Table 9(A): Distribution of Type of Questions and Marks for Community Health Nursing

Type of Questions	No. of Questions	Marks	Sub-total
Long Essay (LE)	2	10	20
Short Essay (SE)	10	5	50
Short Answer (SA)	10	3	30
Total Marks			100

Practical and Viva Voce

	Internal Assessment	University Examination	Total
Community Health Nursing	50	50	100

Nursing Research and Statistics

Placement: Fourth Year
Time: Theory – 45 Hours

Training
 – 45 Hours

Clinical
Practical

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

Unit	Time (Hrs)	Learning Objectives	Contents and Teaching Learning Activity
I	4	* Describe the concept of research, terms, need and areas of research in Nursing * Explain the steps of research process	Research and Research Process * Introduction and need for Nursing research * Definition of Research & nursing research * Steps of scientific method * Characteristics of good research * Steps of Research process-overview <i>Teaching Learning Activity</i> * Lecture discussion * Narrate steps of research process followed from examples of published studies
II	3	* Identify and state the research problem and objectives	Research problem / question * Identification of problem area * Problem statement * Criteria of a good research problem * Writing objectives <i>Teaching Learning Activity</i> * Lecture discussion * Exercise on writing statement of problem and objectives
III	3	* Review the related literature	Review of Literature * Location * Sources * On line search; CINHAL, COCHRANE etc * Purposes * Method of review

			<p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Exercise on reviewing one research report/article for a selected research problem * Prepare annotated bibliography
IV	4	<ul style="list-style-type: none"> * Describe the research approaches and designs 	<p>Research approaches and designs</p> <ul style="list-style-type: none"> * Historical, survey and experimental * Qualitative and quantitative designs <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Explain types of research approaches used from examples of published and unpublished research studies with rationale
V	8	<ul style="list-style-type: none"> * Explain the sampling process * Describe the methods of data collection 	<p>Sampling and Data Collection</p> <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 , where to collect * Data collection methods and instruments: <ul style="list-style-type: none"> o Methods of data collection o Questioning, interviewing o Observations, record analysis and measurements o Types of instruments o Validity and reliability of the instrument o Pilot study o Data collection procedure <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Reading assignment on examples of data collection tools * Preparation of sample data collection tools * Conduct group research project
VI	4	<ul style="list-style-type: none"> * Analyze, interpret and summarize the research data 	<p>Analysis of data:</p> <ul style="list-style-type: none"> * Compilation, Tabulation, classification, summarization, presentation, interpretation of data <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Preparation of sample tables
VII	15	<ul style="list-style-type: none"> * Explain the use of statistics, scales of measurement and graphical presentation of data * Describe the 	<p>Introduction to statistics</p> <ul style="list-style-type: none"> * Definition, use of statistics, scales of measurement * Frequency distribution and graphical presentation of India * Mean, Median, Mode, Standard deviation * Normal probability and tests of significance.

		measures of central tendency and variability and methods of correlaton.	<ul style="list-style-type: none"> * Co-efficient of correlation * Statistical packages and its application <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Practice on graphical presentation * Practice on computation of measures of central tendency, variability and correlation
VIII	4	* 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"> o Verbal report o Writing research report o Writing scientific article/paper - Critical review of published research - Utilization of research findings <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Read / presentations of a sample published / unpublished research report * Writing group research project

• **Nursing Research and Statistics**

Nursing Research & Statistics – Nursing Research should be of 65 marks and Statistics of 35 marks.

Table 9 – B: Distribution of Type of Questions and Marks for Nursing Research (65 marks)

Type of Questions	No. of Questions	Marks	Sub-total
Long Essay (LE)	1	10	10
Short Essay (SE)	8	5	40
Short Answer (SA)	6	3	15
Total Marks			65

Table 9(C): Distribution of Type of Questions and Marks for Statistics (35 marks)

Type of Questions	No. of Questions	Marks	Sub-total
Long Essay (LE)	-	-	
Short Essay (SE)	4	5	20
Short Answer (SA)	5	3	15
Total Marks			35

No Practical examination.

Management of Nursing Services and Education

Placement: Fourth Year

Time: Theory - 90 Hours

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

Unit	Time (Hrs)		Learning Objectives	Content and Teaching Learning Activities
	Th	Pr		
I	4		* Explain the principles and functions of management	<p>Introduction to management in nursing</p> <ul style="list-style-type: none"> * Definition, concepts and theories * Functions of management * Principles of Management * Role of Nurse as a manager <p>Teaching Learning Activities</p> <ul style="list-style-type: none"> * Lecture Discussion * Explain using organization chart
II	5		* Describe the elements and process of management	<p>Management Process</p> <ul style="list-style-type: none"> * Planning; mission, philosophy, objectives, operational plan * Staffing: Philosophy, staffing study, norms, activities, patient, classification systems, scheduling * Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc * Budgeting: concept, principles, types, cost benefit analysis, audit * Material management: equipment and supplies * Directing process (Leading) * Controlling: Quality management * program Evaluation Review Technique (PERT) , Bench marking, Activity Plan (Gantt Chart), <p>Teaching Learning Activities</p> <ul style="list-style-type: none"> * Lecture Discussion * Simulated Exercises * Case studies
III	8	20	* Describe the Management of	Management of nursing services in the hospital and Community

		<p>nursing services in the hospital and community</p>	<ul style="list-style-type: none"> * Planning: <ul style="list-style-type: none"> ○ Hospital and patient care units including ward management ○ Emergency and disaster management * Human resource management: <ul style="list-style-type: none"> ○ 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 <ul style="list-style-type: none"> ○ Hospital and patient care units ○ Emergency and disaster management * Material Management; procurement, inventory control, auditing and maintenance in <ul style="list-style-type: none"> ○ Hospital and patient care units ○ Emergency and disaster management * Directing and leading: delegation, participatory management <ul style="list-style-type: none"> ○ Assignments, rotations, delegations ○ Supervision & guidance ○ Implement standards, policies, procedures and practices ○ Staff development and welfare ○ Maintenance of discipline * Controlling / Evaluation: <ul style="list-style-type: none"> ○ Nursing Rounds/visits, Nursing protocols, Manuals ○ Quality Assurance Model, documentation- ○ Records and report <p>Performance appraisal</p> <p><i>Teaching Learning Activity</i></p> <ul style="list-style-type: none"> * Lecture Discussion * Demonstration * Simulated Exercises * Case studies * Supervised practice in ward-writing indents, preparing duty roaster, ward supervision * Assignment on duties and responsibilities of ward sister * Writing report
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				<ul style="list-style-type: none"> * Assessment of the assignments * Performance evaluation by ward sister with rating scale
IV	5		<ul style="list-style-type: none"> * Describe the concepts, theories and techniques of Organizational behaviour and human relations 	<p>Organizational behaviour and human relations</p> <ul style="list-style-type: none"> * Concepts and theories of organizational behaviours * Review of Channels of communication * Leadership styles * Review of Motivation; concepts and theories * Group dynamics * Techniques of; <ul style="list-style-type: none"> o Communication; and o Interpersonal relationships o Human relations; * Public relations in context of nursing * Relations with professional associations and employee unions and Collective bargaining <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture Discussion * Role plays * Group games * Self assessment * Case discussion * Practice Session * Assessment of problem solving
V	5	5	<ul style="list-style-type: none"> * Participate in planning and organizing in service education program 	<p>In Service education</p> <ul style="list-style-type: none"> * Nature & scope of in -service education program, * Organization of in-service education * Principles of adult learning, * Planning for in-service education program, techniques, methods and evaluation of staff education program. * Preparation of report <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture Discussion * Plan and conduct an educational session for in service nursing personnel * Assess the planning & conduct of the educational session
VI	10		<ul style="list-style-type: none"> * Describe management of Nursing education 	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> * Establishment of Nursing educational institution-INC norms and guidelines

		institutions	<p>* Co-ordination with-</p> <ul style="list-style-type: none"> ○ 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 ● Budgeting ● Equipments and supplies: 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. <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture Discussion * Role plays * Counseling session * Group Exercises
VII	10	<p>* Describe the ethical and legal responsibilities of a professional nurse.</p> <p>* Explain the nursing practice standards</p>	<p>Nursing as a Profession</p> <p>* Nursing as a profession</p> <ul style="list-style-type: none"> ○ Philosophy; nursing practice ○ Aims and objectives ○ Characteristics of a professional nurse ○ Regulatory bodies; INC, SNC Acts; - Constitution, functions

			<ul style="list-style-type: none"> ○ Current trends and issues in Nursing * Professional ethics <ul style="list-style-type: none"> ○ Code of ethics; INC, ICN ○ Code of professional conduct; INC, ICN * Practice standards for Nursing; INC * Consumer protection Act * Legal aspects in Nursing <ul style="list-style-type: none"> ○ Legal terms related to practice; registration and licensing ○ Laws related to Nursing practice, Breach and Penalties ○ Malpractice and negligence <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture Discussion * Case discussion * Panel discussion * Role plays * Critical incidents * Visit to INC/SNRCs * Assessment of critical incidents
VIII	3	* 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. <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture Discussion * Review / Presentation of published articles * Group work on maintenance of bulletin board.

Scheme of University Examination for Management of Nursing Services and Education

Theory

There shall be one theory paper of three hours duration carrying 100 marks. Distribution of type of questions and marks for Management of Nursing Services and Education shall be as given under.

Distribution of Type of Questions and Marks for Management of Nursing Services and Education

Type of Questions	No. of Questions	Marks	Sub-total
Long Essay (LE)	2	10	20
Short Essay (SE)	10	5	50
Short Answer (SA)	10	3	30
Total Marks			100

Note: No practical examination

ANNEXURE - I

BIO-MEDICAL WASTE MANAGEMENT

WASTE CATEGORY NO.	WASTE CATEGORY TYPE	TREATMENT & DISPOSAL OPTIONS	SUBJECT/YEAR OF STUDY
Category No. 1	<u>Animal Waste</u> : (Animal tissues, organs, body parts, carcasses, bleeding parts, fluid, blood and experimental animals used in research, waste generated by veterinary hospitals; colleges, discharge from hospitals; animal houses.	Incineration [@] /deep burial*	<u>II year</u> Unit III Community Health nursing - 1 hr.
Category No. 2	<u>Microbiology & Biotechnology waste:</u> (Waste from laboratory cultures, stocks of specimens of micro-organisms live or attenuated vaccines, human and animal cell cultures used in research and infectious agents from research and industrial laboratories, wastes from production of biological, toxins, dishes and devices used for transfer of cultures.)	Local autoclaving / micro waving / incineration [@]	<u>I year</u> Unit IV Microbiology – 1 hr.

Category No. 3	Waste Sharps: (Needles, syringes, scaples, blades, glass etc. that may cause puncture and cuts. This includes both used and unused sharps.)	Disinfection (Chemical treatment / # autoclaving/ micro waving and mutilation/ shredding **	<u>I Year</u> Nursing Foundation – 1 hr. Unit – III
Category No. 4	Discarded Medicines and Cytotoxic Drugs : (Wastes comprising of outdated, contaminated and discarded medicines)	Incineration@/ destruction and drugs disposal in secured landfills	<u>I year</u> Nursing Foundation – 1 hr. Unit- III
Category No. 5	Soiled Waste: (items contaminated with blood and body fluids including cotton, dressings, soiled plaster casts, liners, bleedings and other material contaminated with blood)	Incineration @ autoclaving/ micro waving	<u>I Year</u> Nursing Foundation – 1 hr. Unit- III
Category No. 6	Liquid Waste : (Waste generated from laboratory and washing, cleaning, housekeeping and disinfecting activities)	Disinfection by chemical treatment and discharge into drains	<u>I Year)</u> Biochemistry and Biophysics – 1 hr. Unit III
Category No. 7	Chemical Waste : (Chemicals used in production of biological, chemicals used in disinfection, as insecticides etc.)	Chemical treatment and discharge into drains for liquids and secured landfill for solids.	<u>I Year</u> Biochemistry and Biophysics – 1 hr. Unit III

Chemical treatment using at least 1% hypo chloride solution or any other equivalent chemical reagent. It must be ensured that chemical treatment ensures disinfection.

** Mutilation / shredding must be such so as to prevent unauthorized reuse.

@ There will be no chemical pretreatment before incineration. Chlorinated plastics shall not be incinerated.

- * Deep burial shall be an option available only in towns with population less than five lakhs and in rural areas.

1 b) COLOUR CODING AND TYPE OF CONTAINER FOR DISPOSAL OF BIOMEDICAL WASTES

Colour Coding	Type of Container	Waste Category	Treatment Options
Yellow	Plastic bag	Cat. 1, Cat. 2 and Cat. 5	Incineration/ deep burial
Red	Disinfected container/ Plastic bag	Cat. 2 and Cat. 5	Autoclaving/ Micro waving and chemical treatment
Blue/ White translucent	Plastic bag/ Puncture proof container	Cat. 3	Autoclaving/ Micro waving /chemical treatment and destruction/ shredding
Black	Plastic bag	Cat. 4 and Cat. 7 (solid)	Disposal in secured landfill

- Waste collection bags for waste types needing incineration shall not be made of chlorinated plastics.
- Categories 6 and 7 (liquid) do not require containers/ bags.
- Category 2 if disinfected locally need not be put in containers/bags.

Examination

Note : One short answer or short essay questions pertaining to the above chapters in their respective subjects may be asked

Books

- I) Text book for Environmental Studies 2004 - Erach Bharucha University Grants Commision, New Delhi.
- II) Journal of the Indian Society of Hospital Waste Management - Dr. D.G. Gopinath, Volume - 2, Issue - I, 2004.
- III) Biomedical wastage (Management and handling) Rules 1998, Ministry of Forests and Environment, Government of India.
- IV) J. E. Park - Preventive & social medicine Ed. 18 M/S Banarsidas Bhanot Jabalpur 2005
- V) Potter and Perry - Fundamentals of Nursing ed. Sixth Mosby St. Louis Missouri 2005
- VI) Barbara Kozier - Fundamentals of Nursing ed. Fourth Addison Wesley Canada 1991
- VII) Text Book of Microbiology – Ananth Narayan ed. 7th Orient Longman Chennai 2005