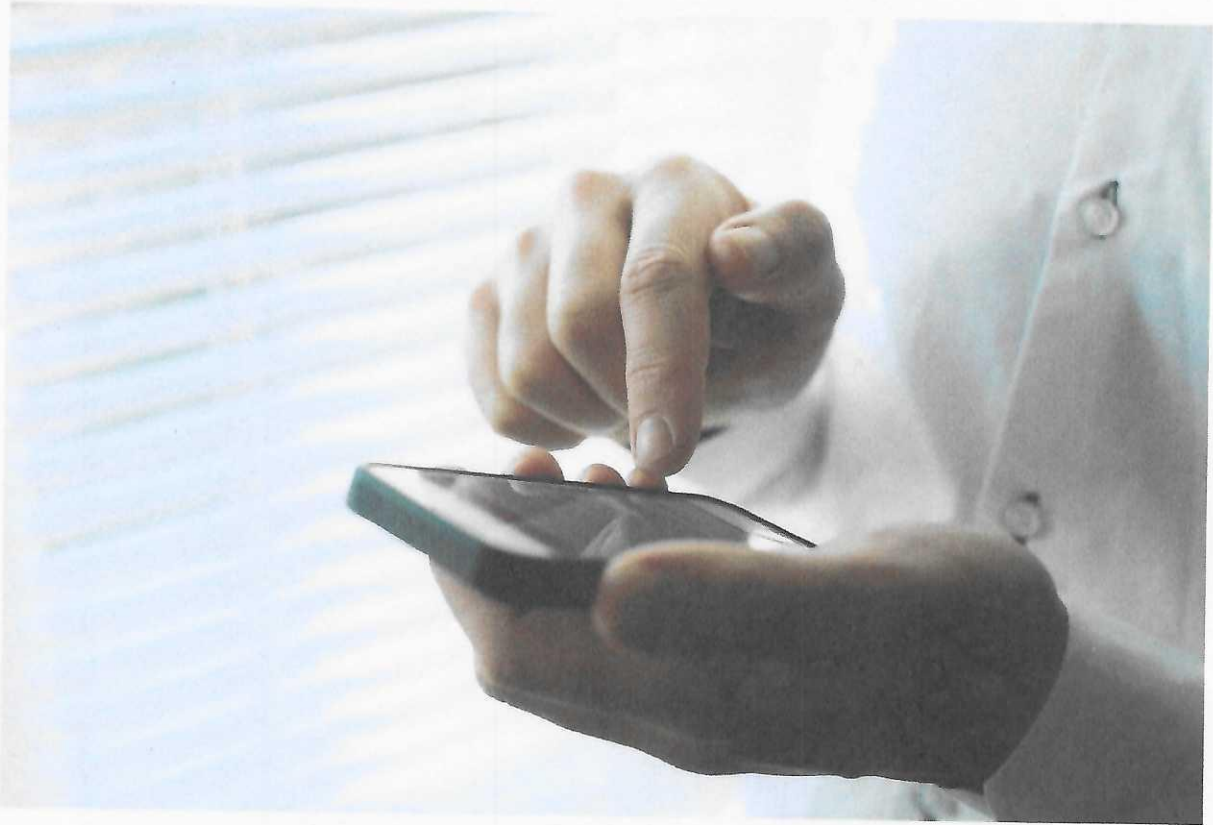


Syllabus for M Sc Nursing – (Medical-Surgical) Programme



Guru Gobind Singh Indraprastha University

A State University established by the Govt. of NCT of Delhi

University School of Medicine and Allied Health Sciences

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SYLLABUS AND REGULATIONS

M.Sc. (NURSING)



Published by

INDIAN NURSING COUNCIL
Combined Council Building, Kotla Road,
Temple Lane, New Delhi - 110002

Philosophy

National Health Policy(NHP) 2002 emphasizes the need to prepare nurses to function in super-speciality areas who are required in tertiary care institutions, entrusting some limited public health functions to nurses after providing adequate training, and increase the ratio of degree holding vis a vis diploma holding nurses.

It is observed that there is an acute shortage of nursing faculty in under graduate and post graduate nursing programme in India

Indian Nursing Council believes that:

Post Graduate programme is essential to prepare nurses to improve the quality of nursing education and practice in India. .

Post graduate programme in nursing builds upon and extends competence acquired at the graduate levels, emphasizes application of relevant theories into nursing practice, education, administration and development of research skills.

The programme prepares nurses for leadership position in nursing and health fields who can function as nurse specialists, consultants, educators, administrators and researchers in a wide variety of professional settings in meeting the National priorities and the changing needs of the society.

This programme provides the basis for the post masteral programme in nursing. Further the programme encourages accountability and commitment to life long learning which fosters improvement of quality care.

Aim

The aim of the postgraduate program in nursing is to prepare graduates to assume responsibilities as nurse specialists, consultants, educators, administrators in a wide variety of professional settings

Objectives

On Completion of the two year M.Sc Nursing programme, the graduate will be able to:-

1. Utilize/apply the concepts, theories and principles of nursing science
2. Demonstrate advance competence in practice of nursing
3. Practice as a nurse specialist.
4. Demonstrate leadership qualities and function effectively as nurse educator and manager.
5. Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.

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6. Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system.
7. Establish collaborative relationship with members of other disciplines
8. Demonstrate interest in continued learning for personal and professional advancement.

Guidelines and Minimum Requirements for setting up of a College of Nursing

1. Any organization under the Central Government, State Government, Local body or a Private or Public Trust, Mission, Voluntary registered under Society Registration Act or a Company registered under company's act wishes to open a M.Sc. Nursing programme, should obtain the No Objection/Essentiality certificate from the State Government.
2. The Indian Nursing council on receipt of the proposal from the Institution to start nursing program, will undertake the **first inspection** to assess suitability with regard to physical infrastructure, clinical facility and teaching faculty in order to give permission to start the programme.
3. After the receipt of the permission to start the nursing programme from Indian Nursing Council, the institution shall obtain the approval from the State Nursing Council and University.
4. Institution will admit the students only after taking approval of State Nursing Council and University.
5. The Indian Nursing Council will conduct inspection every year till the first batch completes the programme. Permission will be given year by year till the first batch completes.
6. If the institution is recognized for B.Sc. (N) programme and if one batch has passed out after found suitable by INC, then the institution will be exempted from NOC/Essentiality certificate for M.Sc.(N) programme from the State Government.
7. **Super Speciality Hospital*** can start M.Sc.(N) programme, however they have to get NOC/Essentiality certificate from respective State Government to start the M.Sc. (N) programme.

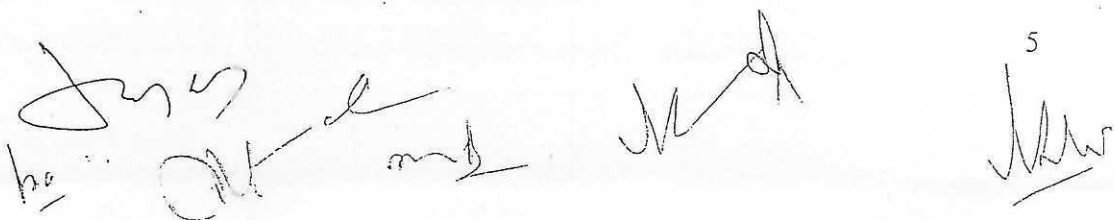
*Super Speciality Hospital are eligible to start M.Sc.(N) provided they have respective speciality beds

Cardio thoracic beds

50-100 bedded Cardiac Hospital, which has CCU, ICCU and ICU units with own thoracic unit or affiliated thoracic unit.

Critical Care beds

250-500 bedded Hospital, which has a 8-10 beds critical care beds & ICUs



OBG speciality beds

50 bedded parent hospital having:

- i. Mother and neonatal units
- ii. Case load of minimum 500 deliveries per year
- iii. 8-10 level II neonatal beds.
- iv. Affiliation with level III neonatal beds.

Neuro speciality beds

Minimum of 50 bedded Neuro care institution with advanced diagnostic, therapeutic and state of the art clinical facilities

Oncology speciality beds

Regional Cancer centers/Cancer Hospitals having minimum 100 beds, with medical and surgical oncology units with chemotherapy, radiotherapy, palliative care, other diagnostic and supportive facilities.

Orthopaedic Speciality beds

250-500 bedded Hospital, which has a 50 orthopaedic beds & rehabilitation units.

Psychiatric beds

Minimum of 50 bedded institutes of psychiatry and mental health having all types of patients (acute, chronic, adult psychiatric beds, child psychiatric beds and de-addiction facilities) , with advanced diagnostic, therapeutic and state of the art clinical facilities.

Paediatrics beds

50-100 bedded paediatric Hospital/ unit with paediatric surgery and level II or III neonatal units

Gastroenterology beds

50-100 bedded gastroenterology beds

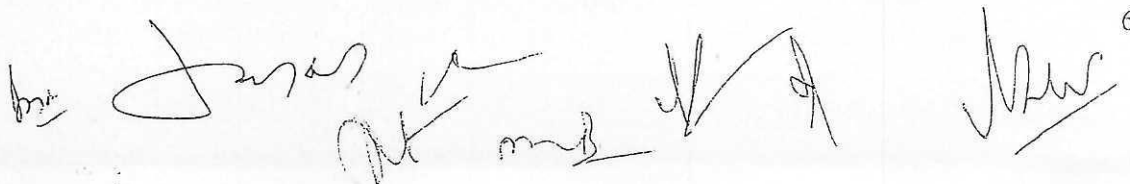
Nephro-Urology speciality beds

50-100 bedded nephro urology hospital with dialysis and kidney transplants, urosurgery

STAFFING PATTERN:

M.Sc. (N)

If parent hospital is super-speciality hospital like cardio-thoracic hospital/cancer with annual intake 10 M.Sc(N) in cardio thoracic/cancer

 6

Professor cum coordinator	1
Reader / Associate Professor	1
Lecturer	2

The above faculty shall perform dual role

B.Sc.(N) and M.Sc.(N)

Annual intake of 60 students in B.Sc.(N) and 25 students for M.Sc.(N) programme

Professor-cum-Principal	1
Professor-cum-Vice Principal	1
Reader / Associate Professor	5
Lecturer	8
Tutor / Clinical Instructor	19
Total	34

One in each specialty and all the M.Sc(N) qualified teaching faculty will participate in all collegiate programmes.

Teacher Student Ratio = 1 : 10 for M.Sc.(N) programme.

QUALIFICATIONS & EXPERIENCE OF TEACHERS OF COLLEGE OF NURSING

Sr. No.	Post	Qualification & Experience
1	Professor-cum-Principal	- Masters Degree in Nursing - 14 years experience after M.Sc. (N) in College of Nursing . - 3 years experience in administration (Years of experience is relaxable if suitable candidate is not available) (If a candidate is not available, minimum 5 years of experience in college of nursing, with an aggregate of 14 years teaching experience)
<u>Desirable :</u> Independent published work of high standard / doctorate degree / M.Phil.		
2	Professor-cum-Vice Principal	- Masters Degree in Nursing - 14 years experience after M.Sc. (N) in College of Nursing . - 3 years experience in administration (Years of experience is relaxable if suitable candidate is not available) (If a candidate is not available, minimum 5 years of experience in college of nursing, with an aggregate of 14 years teaching experience)

Desirable : Independent published work of high standard / doctorate degree / M.Phil.

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- 3 Reader / Associate Professor
- Master Degree in Nursing.
 - 10 years experience after M.Sc.(N) in a College of Nursing. (If a candidate is not available, 5 years of experience in College of Nursing with an aggregates of 10 years teaching experience.

Desirable : Independent published work of high standard /doctorate degree / M.Phil.

- 4 Lecturer
- Master Degree in Nursing.
 - 3 years teaching experience after M.Sc. (N)

Note: Qualifications & Experience of Nursing Teaching faculty relaxed till 2012 & placed under Annexure - I

External /Guest faculty may be arranged for the selected units in different subjects as required

NOTE:

1. No part time nursing faculty will be counted for calculating total no. of faculty required for a college.
2. Irrespective of number of admissions, all faculty positions (Professor to Lecturer) must be filled.
3. For M.Sc.(N) programme appropriate number of M.Sc. faculty in each speciality be appointed subject to the condition that total number of teaching faculty ceiling is maintained.
4. All nursing teachers must possess a basic university or equivalent qualification as laid down in the schedules of the Indian Nursing Council Act, 1947. They shall be registered under the State Nursing Registration Act.
5. Nursing faculty in nursing college except tutor/clinical instructors must possess the requisite recognized postgraduate qualification in nursing subjects.
6. Holders of equivalent postgraduate qualifications, which may be approved by the Indian Nursing Council from time to time, may be considered to have the requisite recognized postgraduate qualification in the subject concerned.
7. All teachers of nursing other than Principal and Vice-Principal should spend at least 4 hours in the clinical area for clinical teaching and/or supervision of care every day.

Other Staff (Minimum requirements)

(To be reviewed and revised and rationalized keeping in mind the mechanization and contract service)

- Ministerial

a) Administrative Officer	1
c) Office Superintendent	1
d) PA to Principal	1
e) Accountant/Cashier	1

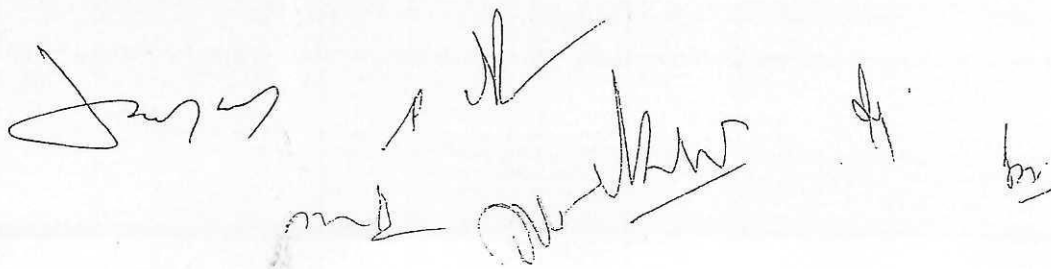
• Upper Division Clerk	2
• Lower Division Clerk	2
• Store Keeper	1
a) Maintenance of stores	1
b) Classroom attendants	2
c) Sanitary staff	As per the physical space
d) Security Staff	As per the requirement
• Peons/Office attendants	4
• Library	
a) Librarian	2
b) Library Attendants	As per the requirement
• Hostel	
a) Wardens	2
b) Cooks, Bearers, Sanitary Staff	As per the requirement
c) Ayas /Peons	As per the requirement
d) Security Staff	As per the requirement
e) Gardeners & Dhobi (desirable)	Depends on structural facilities

Eligibility Criteria/ Admission Requirements:

1. The candidate should be a Registered Nurse and Registered midwife or equivalent with any State Nursing Registration Council.
2. The minimum education requirements shall be the passing of :
B.Sc. Nursing / B.Sc. Hons. Nursing / Post Basic B.Sc. Nursing with minimum of 55% aggregate marks.
3. The candidate should have undergone in B.Sc. Nursing / B.Sc. Hons. Nursing / Post Basic B.Sc. Nursing in an institution which is recognized by Indian Nursing Council.
4. Minimum one year of work experience after Basic B.Sc. Nursing.
5. Minimum one year of work experience prior or after Post Basic B.Sc. Nursing.
6. Candidate shall be medically fit.
7. 5% relaxation of marks for SC/ST candidates may be given.

Entrance/Selection test

Selection of the candidates should be based on the merit of the entrance examination held by University or competent authority.



M.Sc NURSING

COURSE CURRICULUM

Duration

Duration of the course is 2 years for M.Sc. (N)

Available	52 weeks
Vacation	4 weeks
Examination	2 weeks
Gazetted holidays	3 weeks
Total weeks available	43 weeks
40 hours per week	1720 hours
Total hours for 2 years	3440 hours

Course of Instruction

	Theory (hrs)	Practical (hrs)
1st year		
Nursing education	150	150
Advance nursing practice	150	200
Nursing Research and statistics	150	100
*Clinical speciality -I	150	650

Total		600	1100
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II nd Year

Nursing Management	150	150
Nursing Research (Dissertation)		300
*Clinical Speciality-II	150	950
Total	300	1400

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Educational visit 2 weeks

***Clinical Speciality** - Medical Surgical Nursing (Cardio Vascular & Thoracic Nursing, Critical care Nursing, Oncology Nursing, Neurosciences Nursing, Nephro-Urology Nursing, Orthopedic Nursing, Gastro Enterology Nursing,) Obstetric & Gynaecological Nursing, Child Health (Paediatric) Nursing, Mental Health (Psychiatric) Nursing, Community Health Nursing, Psychiatric (Mental Health) Nursing etc.

Note: Students have to maintain log book for each activity during the course of study

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CURRICULUM

NURSING EDUCATION

Placement : 1st Year

Hours of Instruction
Theory 150 Hours
Practical 150 Hours
Total : 300 Hours

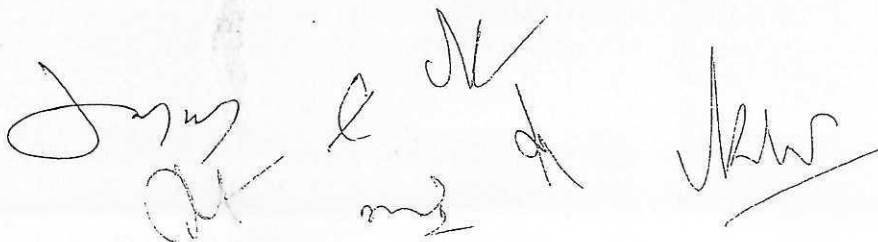
Course Description

This course is designed to assist students to develop a broad understanding of Fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

At the end of the course, students will be able to :

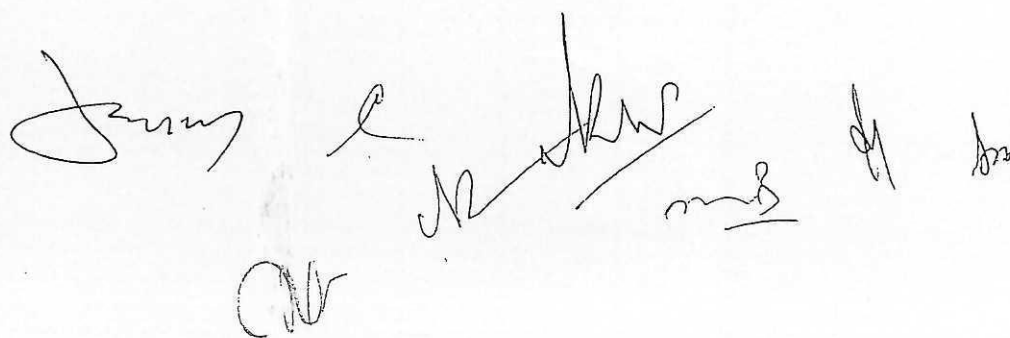
1. Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing.
9. Demonstrate skill in guidance and counseling.
10. Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.



14. Explain the concept, principles, steps, tools and techniques of evaluation
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

Course Content

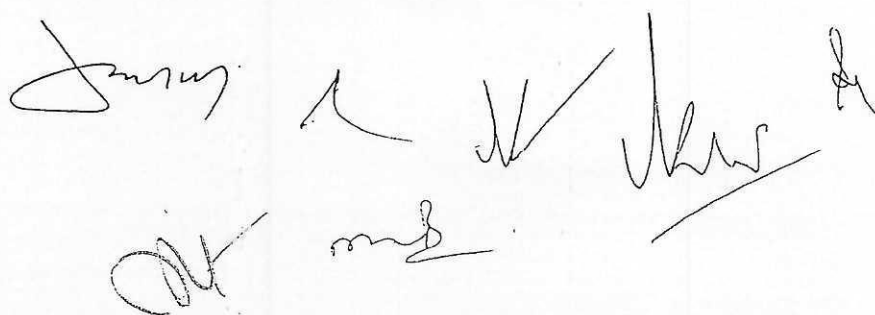
Units	Hours		Course Content
	Theory	Practical	
I	10		Introduction : Education :Definition, aims, concepts, philosophies & their education implications, Impact of Social, economical, political & technological changes on education: <ul style="list-style-type: none"> • Professional education • Current trends and issues in education • Educational reforms and National Educational policy, various educational commissions-reports • Trends in development of nursing education in India
II	20	30	Teaching – Learning Process Concepts of teaching and learning: Definition, theories of teaching and learning, relationship between teaching and learning. Educational aims and objectives; types, domains, levels, elements and writing of educational objectives Competency based education(CBE) and outcome based education(OBE) Instructional design: Planning and designing the lesson, writing lesson plan : meaning, its need and importance, formats. Instruction strategies – Lecture, discussion, demonstration, simulation, laboratory, seminar, panel, symposium, problem solving, problem based learning (PBL), workshop, project, role- play(socio-drama), clinical teaching methods, programmed instruction, self directed learning(SDL), micro teaching, computer assisted instruction(CAI), computer assisted learning (CAL)



Units	Hours		Course Content
	Theory	Practical	
III	10	10	Instructional media and methods Key concepts in the selection and use of media in education Developing learning resource material using different media Instructional aids - types, uses, selection, preparation, utilization. Teacher's role in procuring and managing instructional Aids - Project and non-projected aids, multi media, video-tele conferencing etc
IV	10		Measurement and evaluation: Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement. Principles of assessment, formative and summative assessment- internal assessment external examination, advantages and disadvantages. Criterion and norm referenced evaluation,
V	12	10	Standardized and non-standardized tests : Meaning, characteristics, objectivity, validity, reliability, usability, norms, construction of tests- • Essay, short answer questions and multiple choice questions. • Rating scales, checklist, OSCE/OSPE(Objective structured clinical/practical examination) • Differential scales, and summated scales, sociometry, anecdotal record, attitude scale, critical incident technique Question bank-preparation, validation, moderation by panel, utilization Developing a system for maintaining confidentiality
VI	8	5	Administration, Scoring and Reporting Administering a test; scoring, grading versus marks Objective tests, scoring essay test, methods of scoring, Item analysis.
VII	12	6	Standardized Tools Tests of intelligence aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities.



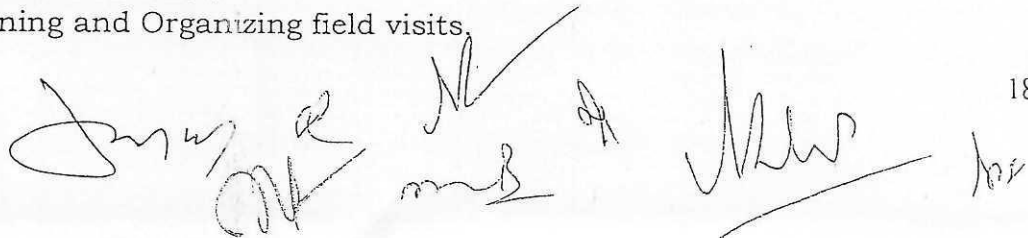
Units	Hours		Course Content
	Theory	Practical	
VIII	5	6	Nursing Educational programs Perspectives of nursing education: Global and national. Patterns of nursing education and training programmes in India. Non-university and University programs: ANM, GNM, Basic B.Sc. Nursing, Post Certificate B.Sc. Nursing, M.Sc(N) programs, M.Phil and Ph.D) in Nursing, post basic diploma programs, nurse practitioner programs.
IX	12	25	Continuing Education in Nursing Concepts – Definition, importance, need scope, principles of adult learning, assessments of learning needs, priorities, resources. Program planning, implementation and evaluation of continuing education programs. Research in continuing education. Distance education in nursing.
X	10	10	Curriculum Development Definition, curriculum determinants, process and steps of curriculum development, Curriculum models, Types and framework. Formulation of philosophy, objectives, selection and organization of learning experiences; master plan, course plan, unit plan. Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders. Equivalency of courses: Transcripts, credit system.
XI	8	4	Teacher preparation Teacher – roles & responsibilities, functions, characteristics, competencies, qualities, Preparation of professional teacher Organizing professional aspects of teacher preparation programs Evaluation: self and peer Critical analysis of various programs of teacher education in India.



Units	Hours		Course Content
	Theory	Practical	
XII	10	5	Guidance and counseling Concept, principles, need, difference between guidance and counseling, trends and issues. Guidance and counseling services : diagnostic and remedial. Coordination and organization of services. Techniques of counseling : Interview, case work, characteristics of counselor, problems in counseling. Professional preparation and training for counseling.
XIII	15	10	Administration of Nursing Curriculum Role of curriculum coordinator - planning, implementation and evaluation. Evaluation of educational programs in nursing-course and program. Factors influencing faculty staff relationship and techniques of working together. Concept of faculty supervisor (dual) position. Curriculum research in nursing. Different models of collaboration between education and service
XIV	10		Management of nursing educational institutions Planning, organizing, staffing, budgeting, recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel,
XV	5	5	Development and maintenance of standards and accreditation in nursing education programs. Role of Indian Nursing Council, State Registration Nursing Councils; Boards and University. Role of Professional associations and unions.

Activities :

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10 (like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.
- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits.



- Educational visits.
- Field visits (INC/SNRC) to get familiar with recognition/registration process.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc)
- Observe and practice application of various non-standardized tests (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

Methods of Teaching

- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits
- Workshop

Methods of evaluation

- Tests
- Presentation
- Project work
- Written assignments

Internal Assessment

Techniques	Weightage
Test- (2 tests)	50
Assignment	25
Seminar/presentation	25

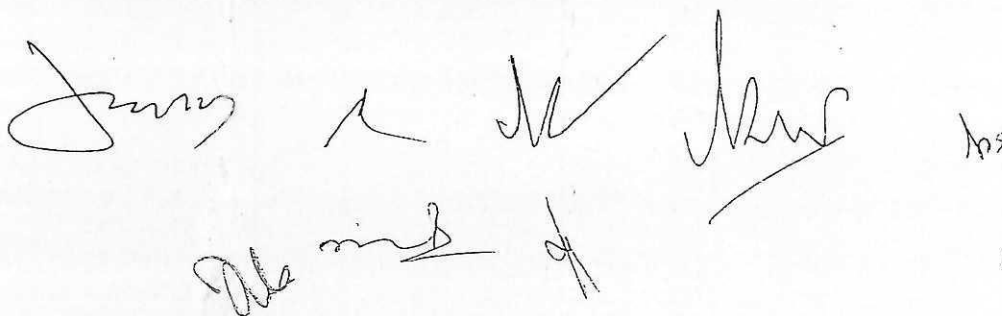
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Practical – Internal assessment

Learning resource material	25
Practice Teaching	50
Conduct Workshop	25
/Short Term Course	

Practical – external assessment

Practice teaching- 1-	50
Preparation/use of learning resource material-1	25
Construction of tests/rotation plan.	25



ADVANCE NURSING PRACTICE

Placement: 1ST Year

Hours of Instruction
Theory 150 Hours
Practical 200 Hours
Total : 350 Hours

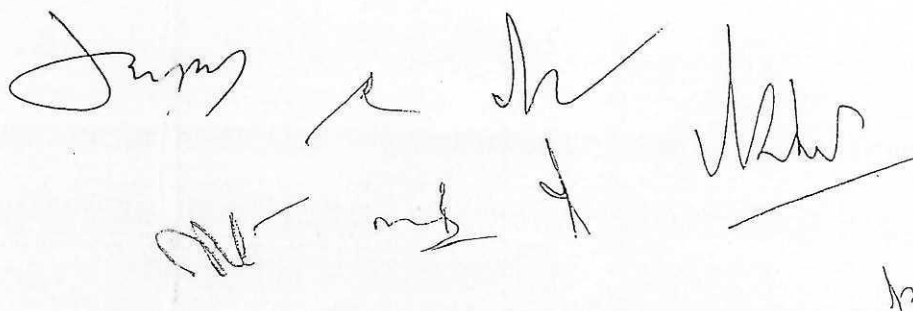
Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

Objectives:

At the end of the course the students will be able to:

1. Appreciate and analyze the development of nursing as a profession.
2. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Describe scope of nursing practice.
6. Provide holistic and competent nursing care following nursing process approach.
7. Identify latest trends in nursing and the basis of advance nursing practice.
8. Perform extended and expanded role of nurse.
9. Describe alternative modalities of nursing care.
10. Describe the concept of quality control in nursing.
11. Identify the scope of nursing research.
12. Use computer in patient care delivery system and nursing practice.
13. Appreciate importance of self development and professional advancement.

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Course Content

Unit	Hours	Content
I	10	Nursing as a Profession History of development of nursing profession, characteristics, criteria of the profession, perspective of nursing profession-national, global Code of ethics(INC), code of professional conduct(INC), autonomy and accountability, assertiveness, visibility of nurses, legal considerations, Role of regulatory bodies Professional organizations and unions-self defense, individual and collective bargaining Educational preparations, continuing education, career opportunities, professional advancement & role and scope of nursing education. Role of research, leadership and management. Quality assurance in nursing (INC). Futuristic nursing.
II	5	Health care delivery Health care environment, economics, constraints, planning process, policies, political process vis a vis nursing profession. Health care delivery system- national, state, district and local level. Major stakeholders in the health care system-Government, non-govt, Industry and other professionals. Patterns of nursing care delivery in India. Health care delivery concerns, national health and family welfare programs, inter-sectoral coordination, role of non-governmental agencies. Information, education and communication (IEC). Tele-medicine.
III	10	Genetics Review of cellular division, mutation and law of inheritance, human genome project ,The Genomic era. Basic concepts of Genes, Chromosomes & DNA. Approaches to common genetic disorders. Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, Ethical, legal & psychosocial issues in genetic testing. Genetic counseling. Practical application of genetics in nursing.
IV	10	Epidemiology Scope, epidemiological approach and methods, Morbidity, mortality, Concepts of causation of diseases and their screening, Application of epidemiology in health care delivery, Health surveillance and health informatics Role of nurse

Unit	Hours	Content
V	20	Bio-Psycho social pathology Pathophysiology and Psychodynamics of disease causation Life processes, homeostatic mechanism, biological and psycho-social dynamics in causation of disease, life style Common problems: Oxygen insufficiency, fluid and electrolyte imbalance, nutritional problems, hemorrhage and shock, altered body temperature, unconsciousness, sleep pattern and its disturbances, pain, sensory deprivation. Treatment aspects: pharmacological and pre- post operative care aspects, Cardio pulmonary resuscitation. End of life Care Infection prevention (including HIV) and standard safety measures, bio-medical waste management. Role of nurse- Evidence based nursing practice; Best practices Innovations in nursing
VI	20	Philosophy and Theories of Nursing Values, Conceptual models, approaches. Nursing theories: Nightingale's, Henderson's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Neuman's, Roy's, Watson's, etc and their applications, Health belief models, communication and management, etc Concept of Self health. Evidence based practice model.
VIII	10	Nursing process approach Health Assessment- illness status of patients/clients (Individuals, family, community), Identification of health-illness problems, health behaviors, signs and symptoms of clients. Methods of collection, analysis and utilization of data relevant to nursing process. Formulation of nursing care plans, health goals, implementation, modification and evaluation of care.
IX	30	Psychological aspects and Human relations Human behavior, Life processes & growth and development, personality development, defense mechanisms, Communication, interpersonal relationships, individual and group, group dynamics, and organizational behavior, Basic human needs, Growth and development, (Conception through preschool, School age through adolescence, Young & middle adult, and Older adult) Sexuality and sexual health. Stress and adaptation, crisis and its intervention, Coping with loss, death and grieving, Principles and techniques of Counseling.

Unit	Hours	Content
X	10	Nursing practice Framework, scope and trends. Alternative modalities of care, alternative systems of health and complimentary therapies. Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions. Health promotion and primary health care. Independent practice issues,- Independent nurse-midwifery practitioner. Collaboration issues and models-within and outside nursing. Models of Prevention, Family nursing, Home nursing, Gender sensitive issues and women empowerment. Disaster nursing. Geriatric considerations in nursing. Evidence based nursing practice- Best practices Trans-cultural nursing.
XI	25	Computer applications for patient care delivery system and nursing practice Use of computers in teaching, learning, research and nursing practice. Windows, MS office: Word, Excel, Power Point, Internet, literature search, Statistical packages, Hospital management information system: softwares.

Practical

Clinical posting in the following areas:

- Specialty area- in-patient unit - 2 weeks
- Community health center/PHC - 2 weeks
- Emergency/ICU - 2 weeks

Activities

- Prepare Case studies with nursing process approach and theoretical basis
- Presentation of comparative picture of theories
- Family case- work using model of prevention
- Annotated bibliography
- Report of field visits (5)

Methods of Teaching

- Lecture cum discussion
- Seminar
- Panel discussion
- Debate
- Case Presentations
- Exposure to scientific conferences
- Field visits

Methods of evaluation :

- Tests
- Presentation
- Seminar
- Written assignments

Advance nursing Procedures

Definition, Indication and nursing implications;

- CPR, TPN, Hemodynamic monitoring, Endotracheal intubation, Tracheostoma, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, BT Pleural and abdominal paracentesis OT techniques, Health assessment, Triage, Pulse oxymetry

Internal Assessment

Techniques	Weightage
Test- (2 tests)	50
Assignment	25
Seminar/presentation	25

	100

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CLINICAL SPECIALITY - I

MEDICAL SURGICAL NURSING

Placement: 1st Year

Hours of instruction
Theory: 150 Hours
Practical: 650 Hours
Total : 800 Hours

Course Description

This course is common for the students undergoing clinical speciality-II in neuro science nursing/cardiovascular & thoracic nursing/critical care nursing/oncology nursing/orthopaedic and rehabilitation nursing/nephro & urology nursing, gastroenterology nursing/ geriatric nursing.

It is designed to assist students in developing expertise and in depth knowledge in the field of medical Surgical Nursing. It will help students to appreciate the patient as a holistic individual and develop skill to function as a specialized Medical-Surgical Nurse. It will further enable the student to function as educator, manager and researcher in the field of Medical - Surgical Nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate the trends & issues in the field of Medical - Surgical Nursing as a speciality.
2. Apply concepts & theories related to health promotion.
3. Appreciate the client as a holistic individual.
4. Perform physical, psychosocial assessment of Medical - Surgical patients.
5. Apply Nursing process in providing care to patients.
6. Integrate the concept of family centered nursing care with associated disorder such as genetic, congenital and long-term illness.
7. Recognize and manage emergencies with Medical- Surgical patients.
8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
9. Appreciate the legal & ethical issues relevant to Medical - Surgical Nursing.
10. Prepare a design for layout and management of Medical - Surgical Units.

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11. Appreciate the role of alternative systems of Medicine in care of patients.
12. Incorporate evidence based Nursing practice and identify the areas of research in the field of Medical – Surgical Nursing.
13. Recognize the role of Nurse practitioner as a member of the Medical – Surgical health team.
14. Teach Medical – Surgical Nursing to undergraduate nursing students & in-service nurses.

COURSE CONTENT:

Unit	Hours	Content
I	5	Introduction: Historical development of Medical- Surgical Nursing in India. Current status of health and disease burden in India. Current concept of health. Trends & issues in Medical – Surgical Nursing. Ethical & cultural issues in Medical – Surgical Nursing. Rights of patients. National health policy, special laws & ordinances relating to older people. National goals. Five year plans. National health programs related to adult health.
II	20	Health Assessment of patients History taking. Physical examination of various systems. Nutritional assessment. Related investigations and diagnostic assessment.
III	5	Care in hospital settings: Ambulatory care. Acute and Critical care. Long term care. Home Health Care. Characteristics, care models, practice settings, interdisciplinary team. Hospitalization- effects of hospitalization on the patient & family. Stressors & reactions related to disease process. Nursing care using Nursing process approach.
IV	10	Management of patients with disorders of Gastro intestinal tract Review of anatomy and physiology. Common Disorders-etiology, Patho physiology, Clinical manifestations, complications, prognosis. Health assessment- History taking, physical examination, investigation and diagnostic assessment. Treatment modalities and trends. Nursing management. Related research studies. Evidence based nursing practice. Rehabilitation and follow-up.

Unit	Hours	Content
V	10	Management of patients with disorders of nervous system Review of anatomy and physiology. Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis. Health assessment-History taking, physical examination, investigation and diagnostic assessment. Treatment modalities and trends. Nursing management. Related research studies. Evidence based nursing practice. Rehabilitation and follow-up.
VI	10	Management of patients with disorders of respiratory system Review of anatomy and physiology. Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis. Health assessment-History taking, physical examination, investigation and diagnostic assessment. Treatment modalities and trends. Nursing management. Related research studies. Evidence based nursing practice. Rehabilitation and follow-up.
VII	10	Management of patients with disorders of cardio vascular system Review of anatomy and physiology. Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis. Health assessment-History taking, physical examination, investigation and diagnostic assessment. Treatment modalities and trends. Nursing management. Related research studies. Evidence based nursing practice. Rehabilitation and follow-up.
VIII	5	Management of patients with disorders of blood Review of anatomy and physiology. Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis. Health assessment-History taking, physical examination, investigation and diagnostic assessment. Treatment modalities and trends. Nursing management. Related research studies Evidence based nursing practice Rehabilitation and follow-up
IX	10	Management of patients with disorders of genito urinary system Review of anatomy and physiology. Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis.

Unit	Hours	Content
		<p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p> <p>Treatment modalities and trends.</p> <p>Nursing management.</p> <p>Related research studies.</p> <p>Evidence based nursing practice.</p> <p>Rehabilitation and follow-up.</p>
X	10	<p>Management of patients with disorders of endocrine system</p> <p>Review of anatomy and physiology.</p> <p>Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p> <p>Treatment modalities and trends.</p> <p>Nursing management.</p> <p>Related research studies.</p> <p>Evidence based nursing practice.</p> <p>Rehabilitation and follow-up.</p>
XI	10	<p>Management of patients with disorders of musculo-skeletal system</p> <p>Review of anatomy and physiology.</p> <p>Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p> <p>Treatment modalities and trends.</p> <p>Nursing management.</p> <p>Related research studies.</p> <p>Evidence based nursing practice.</p> <p>Rehabilitation and follow-up.</p>
XII	8	<p>Management of patients with disorders of integumentary system</p> <p>Review of anatomy and physiology.</p> <p>Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p> <p>Treatment modalities and trends.</p> <p>Nursing management.</p> <p>Related research studies.</p> <p>Evidence based nursing practice.</p> <p>Rehabilitation and follow-up.</p>
XIII	5	<p>Management of patients with disorders of Eye and ENT</p> <p>Review of anatomy and physiology.</p> <p>Common Disorders-etiology, Patho physiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p> <p>Treatment modalities and trends.</p>

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Unit	Hours	Content
		<p>Nursing management.</p> <p>Related research studies.</p> <p>Evidence based nursing practice.</p> <p>Rehabilitation and follow-up.</p>
XIV	8	<p>Management of patients with disorders of reproductive system</p> <p>Review of anatomy and physiology.</p> <p>Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p> <p>Treatment modalities and trends.</p> <p>Nursing management.</p> <p>Related research studies.</p> <p>Evidence based nursing practice.</p> <p>Rehabilitation and follow-up.</p>
XV	8	<p>Geriatric nursing</p> <p>Nursing Assessment-History and Physical assessment.</p> <p>Ageing;</p> <p>Demography; Myths and realities.</p> <p>Concepts and theories of ageing.</p> <p>Cognitive Aspects of Ageing.</p> <p>Normal biological ageing.</p> <p>Age related body systems changes.</p> <p>Psychosocial Aspects of Aging.</p> <p>Medications and elderly.</p> <p>Stress & coping in older adults.</p> <p>Common Health Problems & Nursing Management;</p> <p>Psychosocial and Sexual.</p> <p>Abuse of elderly.</p> <p>Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual.</p> <p>Role of nurse for caregivers of elderly.</p> <p>Role of family and formal and non formal caregivers.</p> <p>Use of aids and prosthesis (hearing aids, dentures,</p> <p>Legal & Ethical Issues.</p> <p>Provisions and Programmes for elderly; privileges, Community Programs and health services;</p> <p>Home and institutional care.</p> <p>Issues, problems and trends.</p>
XVI	8	<p>Management of patients with communicable and sexually transmitted diseases:</p> <p>Review of immune system.</p> <p>Common Disorders of immune system – HIV/AIDS.</p> <p>Review of infectious disease process.</p> <p>Communicable Diseases- etiology, Patho physiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p> <p>Treatment modalities and trends.</p>

Unit	Hours	Content
		Nursing management. Related research studies. Evidence based nursing practice. Rehabilitation and follow-up.
XVII	8	Emergency, trauma and multi-system organ failure DIC (disseminated intravascular coagulation) Trauma, burns, poisoning Etiology, Patho physiology, Clinical manifestations, complications, prognosis. Health assessment-History taking, physical examination, investigation and diagnostic assessment. • Treatment modalities and trends. • Nursing management. • Related research studies. • Evidence based nursing practice. • Rehabilitation and follow-up.



Practical

Total = 660 Hours

1 Week = 30 Hours

S.No.	Dept/Unit	No. of Week	Total Hours
	General Medical Ward	4	120 Hours
	General Surgical Ward	4	120 Hours
	ICUs	4	120 Hours
	Oncology	2	60 Hours
	Ortho	2	60 Hours
	Cardio	2	60 Hours
	Emergency Department	2	60 Hours
	Neuro	2	60 Hours
	Total	22 Weeks	660 Hours

Student Activities:

- Clinical presentations
- History taking
- Health Assessment
- Nutritional Assessment
- Health Education related to disease conditions
- Case studies
- Project work
- Field visits

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NURSING RESEARCH AND STATISTICS

Placement: 1st Year

Hours of Instruction
Theory 150 Hours
Practical 100 Hours
Total : 250 Hours

Part-A : Nursing Research

Theory 100 Hours
Practical 50 Hours
Total : 150 Hours

Course Description:

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

At the end of the course, the students will be able to:

1. Define basic research terms and concepts.
2. Review literature utilizing various sources
3. Describe research methodology
4. Develop a research proposal.
5. Conduct a research study.
6. Communicate research findings
7. Utilize research findings
8. Critically evaluate nursing research studies.
9. Write scientific paper for publication.

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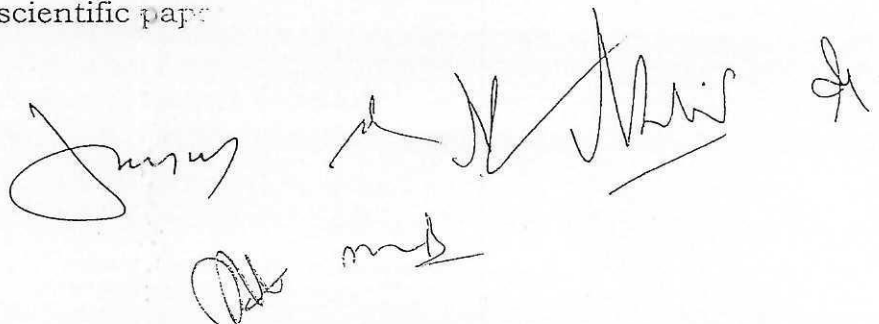
Content Outline

Unit	Hours		Course Content
	Theory	Practical	
I	10		Introduction: Methods of acquiring knowledge – problem solving and scientific method. Research – Definition, characteristics, purposes, kinds of research Historical Evolution of research in nursing Basic research terms Scope of nursing research: areas, problems in nursing, health and social research Concept of evidence based practice Ethics in research Overview of Research process
II	5	5	Review of Literature Importance, purposes, sources, criteria for selection of resources and steps in reviewing literature.
III	12		Research Approaches and designs Quantitative and Qualitative Quantitative: experimental, survey and experimental –Characteristics, types advantages and disadvantages Qualitative: Phenomenology, grounded theory, ethnography
IV	10	5	Research problem: Identification of research problem Formulation of problem statement and research objectives Identification of terms Assumptions and delimitations Identification of variables Hypothesis – definition, formulation and types.
V	5	5	Developing theoretical/conceptual framework. Theories: Nature, characteristics, Purpose and uses Use of, testing and developing conceptual framework, models and theories.
VI	6		Sampling Population and sample Factors influencing sampling Sampling techniques Sample size Probability and sampling error Problems of sampling

Unit	Hours		Course Content
	Theory	Practical	
VII	20	10	Tools and methods of Data collection: Concepts of data collection Data sources, methods/techniques quantitative and qualitative. Tools for data collection – types, characteristics and their development Validity and reliability of tools Procedure for data collection
VIII	5		Implementing research plan Pilot Study, review research plan (design), planning for data collection, administration of tool/interventions, collection of data
IX	10	10	Analysis and interpretation of data Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and presentation. Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion
X	10		Reporting and utilizing research findings: Communication of research results; oral and written Writing research report purposes, methods and style- Vancouver, American Psychological Association(APA), Campbell etc Writing scientific articles for publication: purposes & style
XI	3	8	Critical analysis of research reports and articles
XII	4	7	Developing and presenting a research proposal

Activities:

- Annotated Bibliography of research reports and articles.
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical/conceptual framework.
- Preparation of a sample research tool
- Analysis and interpretation of given data
- Developing and presenting research proposal
- Journal club presentation
- Critical evaluation of selected research studies
- Writing a scientific paper



Method of Teaching

- Lecture-cum-discussion
- Seminar/Presentations
- Project
- Class room exercises
- Journal club

Methods of Evaluation

- Quiz, Tests (Term)
- Assignments/Term paper
- Presentations
- Project work

Internal Assessment

Techniques	Weightage (15marks)
Term Test(2 tests)	40%
Assignment	20%
Presentation	20%
Project work	20%
Total	100%

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Part -B : Statistics

Hours of Instruction
Theory 50 Hours
Practical 50 Hours
Total : 100 Hours

Course Description

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing.

General Objectives

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully.
4. Use descriptive and inferential statistics to predict results.
5. Draw conclusions of the study and predict statistical significance of the results.
6. Describe vital health statistics and their use in health related research.
7. Use statistical packages for data analysis

Unit	Hours		Course Content
	Theory	Practical	
I	7	4	Introduction: Concepts, types, significance and scope of statistics, meaning of data, sample, parameter type and levels of data and their measurement Organization and presentation of data – Tabulation of data; Frequency distribution Graphical and tabular presentations.
II	4	4	Measures of central tendency: Mean, Median, Mode
III	4	5	Measures of variability; Range, Percentiles, average deviation, quartile deviation, standard deviation
IV	3	2	Normal Distribution: Probability, characteristics and application of normal probability curve; sampling error.

Unit	Hours		Course Content
	Theory	Practical	
V	6	8	Measures of relationship: Correlation – need and meaning Rank order correlation; Scatter diagram method Product moment correlation Simple linear regression analysis and prediction.
VI	5	2	Designs and meaning: Experimental designs Comparison in pairs, randomized block design, Latin squares.
VII	8	10	Significance of Statistic and Significance of difference between two Statistics (Testing hypothesis) Non parametric test – Chi-square test, Sign, median test, Mann Whitney test. Parametric test – 't' test, ANOVA, MANOVA, ANCOVA
VIII	5	5	Use of statistical methods in psychology and education: Scaling – Z Score, Z Scaling Standard Score and T Score Reliability of test Scores: test-retest method, parallel forms, split half method.
IX	4	2	Application of statistics in health: Rates, Ratios, Trends Vital health statistics – Birth and death rates. Measures related to fertility, morbidity and mortality
X	4	8	Use of Computers for data analysis Use of statistical package.

Activities

- Exercises on organization and tabulation of data,
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics(chi square, t-test, correlation)
- Practice in using statistical package
- Computing vital health statistics

Methods of Teaching:

- Lecture-cum-discussion
- Demonstration – on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data,

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- Computing Descriptive and inferential statistics; vital and health statistics and use of computer for data entry and analysis using statistical package.

Methods of Evaluation

- Test, Classroom statistical exercises.

Internal Assessment

Techniques

Weightage 10 marks

Test – (2 tests)

100%

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NURSING MANAGEMENT

Placement : II Year

Hours of Instruction
Theory 150 Hours
Practical 150 Hours
Total : 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of Principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students will be able to:

1. Describe the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration vis a vis nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institution.
6. Collaborate and co-ordinate with various agencies by using multi-sectoral approach
7. Discuss the planning, supervision and management of nursing workforce for various health care settings.
8. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
9. Identify and analyse legal and ethical issues in nursing administration
10. Describe the process of quality assurance in nursing services.
11. Demonstrate leadership in nursing at various levels

James A. Ellis
and K. K. Oth

Course Content

Unit	Hours	Content
I	10	Introduction Philosophy, purpose, elements, principles and scope of administration Indian Constitution, Indian Administrative system vis a vis health care delivery system: National, State and Local Organisation and functions of nursing services and education at National, State, District and institutions: Hospital and Community Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH and plans,
II	10	Management Functions of administration Planning and control Co-ordination and delegation Decision making – decentralization basic goals of decentralization. Concept of management Nursing management Concept, types, principles and techniques Vision and Mission Statements Philosophy, aims and objective Current trends and issues in Nursing Administration Theories and models Application to nursing service and education
III	15	Planning Planning process: Concept, Principles, Institutional policies Mission, philosophy, objectives, Strategic planning Operational plans Management plans Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO) Planning new venture Planning for change Innovations in nursing Application to nursing service and education
IV	15	Organisation Concept, principles, objectives, Types and theories, Minimum requirements of organisation, Developing an organizational Structure, laws, organisational Effectiveness and organizational Climate, Organising nursing services and patient care: Methods of patient assignment- advantages and disadvantages, primary nursing care, Planning and organising: hospital unit and ancillary services such as central sterile supply department, laundry, kitchen, lab, etc. (services, emergency etc)

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Unit	Hours	Content
		Disaster management: plan, resources, drill, etc Application to nursing service and education
V	15	Human Resource for health Staffing <ul style="list-style-type: none"> • Philosophy • Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC) • Estimation of nursing staff requirement- activity analysis • Various research studies Recruitment: identifying, selection, placement, promotion Retention Personnel policies Termination Staff development programme Duties and responsibilities of various category of nursing personnel Applications to nursing service and education
VI	15	Directing Roles and functions Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories Communication: process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations Delegation; common delegation errors Managing conflict: process, management, negotiation, consensus Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager Occupational health and safety Application to nursing service and education
VII	10	Material management Concepts, principles and procedures Planning and procurement procedures: Specifications ABC analysis VED (very important and essential daily use) analysis Planning equipment and supplies for nursing care: unit and hospital Inventory control Condemnation Application to nursing service and education
VIII	15	Controlling Quality assurance - Continuous Quality Improvement <ul style="list-style-type: none"> • Standards • Models • Nursing staff

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Unit	Hours	Content
		<p>Performance appraisal: Tools, confidential reports, formats, Management, interviews</p> <p>Supervision and management: concepts and principles</p> <p>Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceedings-enquiry etc</p> <p>Self evaluation or peer evaluation, patient satisfaction, utilization review</p> <p>Application to nursing service and education</p>
IX	15	<p>Fiscal planning</p> <p>Steps</p> <p>Plan and non-plan, zero budgeting, mid-term appraisal, capital and revenue</p> <p>Budget estimate, revised estimate, performance budget</p> <p>Audit</p> <p>Cost effectiveness</p> <p>Cost accounting</p> <p>Critical pathways</p> <p>Health care reforms</p> <p>Health economics</p> <p>Health insurance</p> <p>Budgeting for various units and levels</p> <p>Application to nursing service and education</p>
X	10	<p>Nursing informatics</p> <p>Trends</p> <p>General purpose</p> <p>Use of computers in hospital and community</p> <p>Patient record system</p> <p>Nursing records and reports</p> <p>Management information and evaluation system (MIES)</p> <p>E- nursing, Telemedicine, telenursing</p> <p>Electronic medical records</p>
XI	10	<p>Leadership</p> <p>Concepts, Types, Theories</p> <p>Styles</p> <p>Manager behaviour</p> <p>Leader behaviour</p> <p>Effective leader: Characteristics, skills</p> <p>Group dynamics</p> <p>Power and politics</p> <p>lobbying</p> <p>Critical thinking and decision making</p> <p>Stress management</p> <p>Applications to nursing service and education</p>

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Unit	Hours	Content
VI	10	<p>Legal and ethical issues</p> <p>Laws and ethics</p> <p>Ethical committee</p> <p>Code of ethics and professional conduct</p> <p>Legal system: Types of law, tort law, and liabilities</p> <p>Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character</p> <p>Patient care issues, management issues, employment issues</p> <p>Medico legal issues</p> <p>Nursing regulatory mechanisms: licensure, renewal, accreditation</p> <p>Patients rights, Consumer protection act(CPA)</p> <p>Rights of special groups: children, women, HIV, handicap, ageing</p> <p>Professional responsibility and accountability</p> <p>Infection control</p> <p>Standard safety measures</p>

PRACTICALS

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, Revised estimate and performance budget
3. Plan and conduct staff development programme
4. Preparation of Organisation Chart
5. Developing nursing standards/protocols for various units
6. Design a layout plan for speciality units /hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel
8. Prepare a list of equipments and supplies for speciality units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal
13. Identify the problems of the speciality units and develop plan of action by using problem solving approach
14. Plan a duty roster for speciality units/hospital, community and educational institutions
15. Prepare: anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurses notes, Official letters, curriculum vitae, presentations etc

16. Prepare a plan for disaster management
17. Group work
18. Field appraisal report

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REGULATION FOR

EXAMINATION

Regulations for examination:

Eligibility for appearing for the examination:

75% of the attendance for theory and practicals. However 100% of attendance for practical before the award of degree

Classification of results:

- 50% pass in each of the theory and practical separately.
- 50-59% Second division
- 60-74% first division
- 75% and above is distinction
- For declaring the rank aggregate of 2 years marks to be considered

If the candidate fails in either practicals or theory paper he/she has to re-appear for both the papers (theory and practical)

Maximum no. of attempts per subject is three (3) inclusive of first attempt. The maximum period to complete the course successfully should not exceed 4 years

Candidate who fails in any subject, shall be permitted to continue the studies into the second year. However the candidate shall not be allowed to appear for the Second year examination till such time that he/she passes all subjects of the first year M.Sc nursing examination

Practicals

- 4 hours of practical examination per student.
- Maximum number of 10 students per day per speciality.
- The examination should be held in clinical area only for clinical specialities
- One internal and external should jointly conduct practical examination
- Examiner – Nursing faculty teaching respective speciality area in M.Sc nursing programme with minimum 3 years experience after M.Sc nursing.

Dissertation

Evaluation of the dissertation should be done by the examiner prior to viva
Duration: Viva-voce -minimum 30 minutes per student

Guidelines for Dissertation

Tentative Schedule for dissertation

S. No.	Activities	Scheduled Time
1.	Submission of the research proposal	End of 9 th month of 1 st year

2.	Submission of dissertation – Final	End of 9 th month of II nd Year
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Note: - Administrative approval and ethical clearance should be obtained

A. Research Guides

a) Qualification of Guide

Main guide : Nursing faculty / nursing expert in the same clinical speciality holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in teaching in the Post Graduate Programme in Nursing.

Co-Guide : A Co-Guide is a nursing faculty/expert in the field of study (may be from outside the college but should be within the city.)

b) Guide – Students Ratio

Maximum of 1:4 (including as co-guide)

c) Research Committee

There should be a research committee in each college comprising of minimum 5 members chaired by the Principal, College of Nursing.

Duration

Duration of the course is 2 years for M.Sc. (N)

Available	52 weeks
Vacation	4 weeks
Examination	2 weeks
Gazetted holidays	3 weeks
Total weeks available	43 weeks
40 hours per week	1720 hours
Total hours for 2 years	3440 hours

Course of Instruction

	Theory (hrs)	Practical (hrs)
1st year		
Nursing education	150	150
Advance nursing practice	150	200
Nursing Research and statistics	150	100
*Clinical speciality –I	150	650

Total	600	1100
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II nd Year

Nursing Management	150	150
Nursing Research(Dissertation)		300
*Clinical Speciality-II	150	950
Total	300	1400

Educational visit 2 weeks

***Clinical Speciality** – Medical Surgical Nursing (Cardio Vascular & Thoracic Nursing, Critical care Nursing, Oncology Nursing, Neurosciences Nursing, Nephro-Urology Nursing, Orthopedic Nursing, Gastro Enterology Nursing,)Obstetric & Gynaecological Nursing, Child Health (Paediatric) Nursing, Mental Health(Psychiatric) Nursing, Community Health Nursing, Psychiatric (Mental Health) Nursing etc.

Note: Students have to maintain log book for each activity during the course of study

Scheme of Examination

	Theory			Practical		
	Hours	Internal	External	Hours	Internal	External
1st year						
Nursing education	3	25	75		50	50
Advance nursing practice	3	25	75			
Nursing Research and statistics	3	25**	75*			
Clinical speciality -I	3	25	75		100	100
Total		100	300		150	150
II nd Year						
Nursing Management	3	25	75			
Dissertation & Viva					100	100
Clinical Speciality-II	3	25	75		100	100
Total		50	150		200	200

* Nursing research=50 and statistics=25

**Nursing research=15 and statistics=10

1. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
2. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing for examination.
3. A candidate must have 100% attendance in each of the practical areas before award of degree
4. A candidate has to pass in theory and practical exam separately in each of the paper.
5. If a candidate fails in either theory or practical paper he/she has to re-appear for both the papers (Theory and practical).
6. Maximum no. of attempts permitted for each paper is 3 including first attempt.

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7. The maximum period to complete the course successfully should not exceed 4 (four) years
8. A candidate failing in more than two subjects will not be promoted to the IInd year.
9. No candidate shall be admitted to the subsequent IInd year examination unless the candidate has passed the Ist year examination.
10. Maximum number of candidates for all practical examination should not exceed 10 per day.
11. Provision of Supplementary examination should be made.
12. All practical examinations must be held in the respective clinical areas.
13. One internal and One external examiners(outside the University) should jointly conduct practical examination for each student
14. An examiner should be M.Sc (N) in concerned subject and have minimum of 3 (three) years post graduate teaching experience.
15. One internal and One external examiners(outside the University) should evaluate dissertation and jointly conduct viva-voce for each student
- * 16. For Dissertation Internal examiner should be the guide and external examiner should be Nursing faculty / nursing expert in the same clinical speciality holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in guiding the research projects for Post Graduate students of Nursing.

Admission Strength

Annual admission strength for M.Sc (N) Programme should have prior sanction/permission from the Indian Nursing Council on the basis of clinical, physical facilities and teaching faculty.

Health Services

There should be provisions for the following health services for the students.

- (a) An annual medical examination.
- (b) Vaccination against Tetanus, hepatitis B or any other communicable disease as considered necessary.
- (c) Free medical care during illness and / provision of health insurance should be made.
- (d) A complete health record should be kept in respect of each individual students. The question of continuing the training of a student, with long term chronic illness, will be decided by the individual college.

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S.No	THEORY EXAM (EXTERNAL)			PRACTICAL EXAM (EXTERNAL)		
	CONTENT	HOURS	MARKS	CONTENT	HOURS	MARKS
1.	Final written theory exam.	3hrs	75	1. Practice Teaching.	3 hrs	20
				2. Preparation of A.V Aids	3 hrs	15
				3. Preparation of Clinical Rotation/ Master Rotation.	3hrs	15
				TOTAL MARKS		50
THEORY EXAM (INTERNAL)						
	CONTENT	HOURS	MARKS	CONTENT	HOURS	MARKS
1	Midterm exam	3hrs	75	1. Preparation of rotation plan for Staff nurses.		15
2	Assignments			2. Peer Group Teachings		10
	a) Test Construction		15	3. Seminars		10
	b) Field Visits to INC, DNC, TNAI etc		25	4. Quiz		10
	c) Course Planning		25	5. Exhibition		25
	d) Framing Philosophies and objectives		15	6. Community Health Workshop		15
	e) Critical evaluation of any Nursing Educational Program me.		25	7. Microteaching		15
	f) Unit plans		20			
	TOTAL MARKS		200 *	TOTAL MARKS		100**

*Internal theory marks will be calculated out of 25marks

** Internal practical marks will be calculated out of 50 marks

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MEDICAL SURGICAL NURSING

S.No	THEORY EXAM (EXTERNAL)			PRACTICAL EXAM (EXTERNAL)		
	CONTENT	HOURS	MARKS	CONTENT	HOURS	MARKS
1.	Final written theory exam.	3hrs	75	Final Practical Exam	3 hrs	100
			TOTAL MARKS			
			100			
PRACTICAL EXAM (INTERNAL)						
THEORY EXAM (INTERNAL)						
	CONTENT	HOURS	MARKS	CONTENT	HOURS	MARKS
1.	Midterm exam	3hrs	75	1. Practical exam (internal)	3 hrs	50
2	Assignments		10	2. Clinical Presentation.(Medical and Surgical)		25x2=50
2.	Field Visit Report.		15	3.Assessment of the cardiovascular system		15
				4.Nutritional assessment (Post Op and Disease conditions)		10x2=20
				5.Health Education		10x2=20
				5. Health camp in OPD		25
				6. Case Studies		10x2=20
				7. Nursing Care Plan in each area		10x8=80
				8. Clinical evaluation		20
TOTAL MARKS			100*	TOTAL MARKS.		
			300**			

*Internal theory marks will be calculated out of 25marks

** Practical internal marks will be calculated out of 100 marks

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S.No	THEORY EXAM (EXTERNAL)			PRACTICAL EXAM (EXTERNAL)		
	CONTENT	HOURS	MARKS	CONTENT	HOURS	MARKS
1.	Final written theory exam.	3hrs	75	NOT APPLICABLE		
	THEORY EXAM (INTERNAL)			PRACTICAL EXAM (INTERNAL)		
	CONTENT	HOURS	MARKS	CONTENT	HOURS	MARKS
2.	Midterm exam	3hrs	75	NOT APPLICABLE		
3.	Assignments					
	• Critical analysis of selected Research Study		20			
	• Annotated Bibliography		10			
	• Review Of literature		10			
4.	Presentations					
	a) Journal Club		10			
	b) Research proposal		25			
5.	Test		25x2=50			
	TOTAL MARKS		200 *			

*Internal theory marks will be calculated out of 25marks

Dr. *[Signature]* and *[Signature]*

[Signature]

SAMPLE QUESTION PAPER

SAMPLE QUESTION PAPER

M.Sc. NURSING I YEAR

NURSING EDUCATION

Time: 3 Hours

Max. Marks: 75

Note: Attempt all questions.

1. Explain the following: (5x5=25) (Any 5)

- | | |
|---------------------------------|---------------------------------------|
| a) Aims of Education. | b) Selection of Learning Experiences. |
| c) Continuing Nursing Education | d) Indian Nursing Council. |
| e) Anecdotal Record. | f) Sociometry. |

2. a) Explain the advantages and disadvantages of demonstration method in nursing. (6)

b) Describe the guidelines for effective demonstration in classroom. (6)

3. a) Explain the characteristics to be kept in mind while selecting audiovisual aids for classroom teaching. (6)

b) Describe the preparation and use of flash cards. (7)

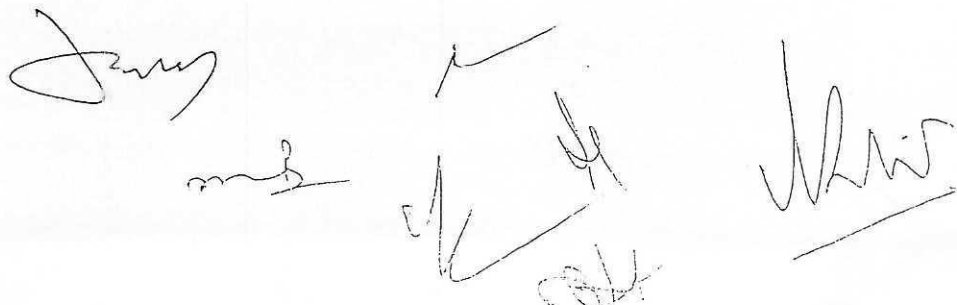
4. a) Describe the patterns of nursing programmes in India in tabular form. (5)

b) Write the philosophy and objectives of any one programme. (3+4)

5. a) Define guidance and counseling. (3)

b) Differentiate between Guidance and Counseling. (4)

c) Describe the characteristics of counselor. (6)

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SAMPLE QUESTION PAPER
NURSING RESEARCH AND STATISTICS

M.Sc. NURSING I YEAR

Time: 3 hours

Max. Marks: 75

Note: Attempt all questions.

Section 'A' (Nursing Research)

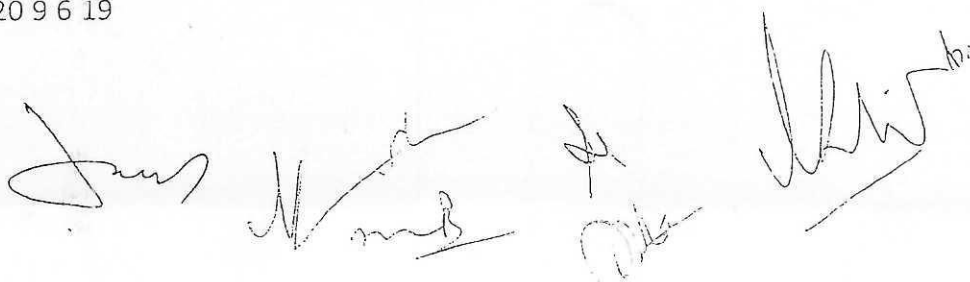
1. Write explanatory note on following: (Any 4) (5x4=20)
- a) Sampling
 - b) Evidence Based Practice.
 - c) Ethics in research
 - d) Hypothesis
 - e) Validity and reliability of tools
2. a) Discuss the purposes of nursing research quote with examples. (5)
- b) Explain the steps in quantitative research study. (10)
3. a) Differentiate between quantitative and qualitative research. (5)
- b) Describe the various types of instruments used in nursing research. (10)

Section 'B' (Statistics)

1. Explain the following: (5x3=15)
- a) Standard Deviation and it's mathematical properties.
 - b) Level of Significance.
 - c) Normal distribution.
2. From the following data, calculate the coefficient of rank correlation: (10)

X 48 33 40 9 16 16 65 24 16 57

Y 13 13 24 6 15 4 20 9 6 19



SAMPLE QUESTION PAPER
MEDICAL SURGICAL NURSING -I
M.Sc. NURSING I YEAR

Time: 3 hours

Max. Marks: 75

Note: Attempt all questions.

1. Write short notes on following: (Any 5) (5x5=25)
 - a) Thalessemia
 - b) Stages of stress
 - c) Fluid Management in Burns
 - d) Dialysis
 - e) Diabetic Ketoacidosis
 - f) Cardiogenic Shock

2. Mr. Joshi, aged 45 years, an alcoholic is diagnosed a case of advanced cirrhosis of liver.
 - a) Describe the Pathophysiology leading to complications of cirrhosis in Mr. Joshi. (6)
 - b) Describe the management and nursing care of Mr. Joshi. (5)

3. Mrs. Sana, aged 28 years is diagnosed having Mitral Stenosis with Congestive Cardiac Failure (C.C.F).
 - a) Describe the Pathophysiology and clinical manifestations of C.C.F. in Mrs. Sana. (5)
 - b) Briefly explain surgical procedures that may be done in Mrs. Sana. (3)
 - c) Prepare a Nursing Care Plan for Mrs. Sana. (5)

4. Mr. Rakesh, aged 23 years had a road side accident and is admitted with head injury, having severe bleeding and is on ventilator
 - a) Define Cerebral Concussion and Contusion. (2)
 - b) Describe Glasgow Coma Scale. (2.5)
 - c) Explain nurses responsibilities for blood transfusion. (2.5)

d) Describe the management and nursing care of Mr. Rakesh

(6)

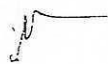
5. a) Enumerate the warning signs and symptoms of malignancy.

(2)

b) Describe the various methods of Radio Therapy.

(4)

c) Explain the nurses role in prevention and management of side effects of radiotherapy. (7)



SAMPLE QUESTION PAPER
ADVANCE NURSING PRACTICE

M.Sc. NURSING I YEAR

Time: 3 hours

Max. Marks: 75

Answer All questions.

1. a) List out the purposes of theories in nursing. (5)
- b) Discuss the following theory in detail with suitable example
- i) Orem's Theory of Nursing. (7)
- ii) Paplav's interpersonal relationship theory. (8)
2. Write in detail about
- a) Stages of sleep cycle. (4)
- b) Factors affecting sleep. (4)
- c) Sleep disorders. (6)
- d) Role of Nurse in promotion of sleep. (6)

II. Write Short Notes on:

(7 x 5 = 35)

1. Concepts of causation.
2. Role of nurse in management of dehydration.
3. Genetic counseling.
4. Future of nursing profession.
5. Bio-medical waste management in infection control.
6. Counseling the client's significant family members in association with dying client.
7. Application of computer in nursing practice.

