



MGM INSTITUTE OF HEALTH SCIENCES

Accredited by NAAC with 'A' Grade

(Deemed University u/s 3 of UGC Act, 1956)

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Curriculum for Post Basic Diploma In Emergency and Disaster Nursing

Approved as per Academic Council- 20/2015, Dated 15/04/2015

Dr. Rajesh B. Goel

Registrar

MGM Institute of Health Sciences

(Deemed University u/s 3 of UGC Act, 1956)
Navi Mumbai- 410 209

MGM INSTITUTE OF HEALTH SCIENCES, NAVI MUMBAI
Post Basic Diploma in Emergency and Disaster Nursing

PHILOSOPHY OF THE PROGRAM

The College of nursing is a constituent unit of MGM Institute of Health Sciences (MGMIHS) Navi Mumbai. The philosophy of college of nursing is consistent with the philosophy of MGMIHS and Indian Nursing Council.

We believe that

- registered nurses need to be trained in Cardio-Thoracic Nursing in clinical settings in order to provide competent care to critically ill patients.

- registered nurses need to be prepared as per the expanding roles of nurses and advances in technology for effective participation in cardio-thoracic care.

PURPOSE

The purpose of the course is to train nurses to:

1. Provides quality care to patients with cardio thoracic disorders.
2. Manage and supervise care of patients with cardio thoracic disorders.
3. Teach nurses, allied health professionals and family members in areas related to cardio thoracic nursing.
4. Conducts research in areas of cardio thoracic nursing.

COURSE DESCRIPTION

The course is designed to prepare registered nurses (GNM or B.Sc.) with specialized knowledge, skills and attitude in providing advance quality care to patients with cardio thoracic problems and their families.

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Post Basic Diploma in Emergency and Disaster Nursing

GENERAL OBJECTIVE

At the end of the course the student will be able to develop an understanding of philosophy, principles, methods and issues, management, education and research in emergency and disaster nursing. Furthermore, this course will enable them to develop skills and attitude in providing competent emergency and disaster nursing care.

SPECIFIC OBJECTIVES

At the end of the course the student will be able to

1. Describe the concepts and principles of emergency and disaster nursing.
2. Describe physiological, pathological and psychosocial aspects of conditions requiring emergency care.
3. Describe various types of disasters and their effects.
4. Perform advance cardiac life support skills.
5. Make a plan for organization of emergency units including triage and ambulance service.
6. Apply nursing process in caring of patients receiving emergency care.
7. Organize and demonstrate nursing skills in disaster management.
8. Teach and supervise nurses and allied health workers.

ADMISSION TERMS AND CONDITIONS

The student seeking admission to this course should:

1. Be a registered nurse (R.N. &R.M.) or equivalent.
2. Possess a minimum of one year experience as a staff nurse.
3. Nurses from other countries must obtain an equivalence certificate from INC before admission.
4. Be physically fit.
5. No. of seats
 - Hospital which is having 250 – 500 beds (8-10 ICU beds) no. of seats = 5 -10
 - Hospital which is having 500 beds (20 or more ICU beds) no. of seats = 10 - 20

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DURATION

Course Duration	= 1 Year
Teaching: Theory & clinical Practice	= 42 weeks
Internship	= 4 week
Examination (including preparatory leave)	= 2 weeks
Vacation	= 2 weeks
Public Holidays	= 2 weeks
	52 weeks

COURSE OF INSTRUCTIONS

Sl. No.	Subject	Theory (in hrs)	Practical (in hrs)
1.	Clinical Nursing – I (Inclusive of Foundation Courses)	155	1280 (Integrated clinical practice)
2.	Clinical Nursing - II	155	
3.	Supervision and Management, Clinical Teaching, Elementary Research and Statistics	-	
	i.) Supervision and Management	30	
	ii.) Clinical Teaching	30	
	iii.) Elementary Research and Statistics	30	
4.	Internship		
	Total hours	400	1440
	Total hours = 1840 hrs		

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HOURS DISTRIBUTION FOR THEORY AND PRACTICE

- Available hours = 42 weeks x 40 hours/ week = 1680 hours
- Block Classes = 4 weeks x 40 hours/ week = 160 hours
- Integrated theory & clinical practice = 38 weeks x 40 hours/ week = 1520 hours
 - Theory hours = 38 weeks x 6 hours/ week = 240 hours
 - Clinical Experience = 38 weeks x 34 hours/ week = 1280 hours
- Internship = 4 weeks x 40 hours/ week = 160 hours

SCHEME OF EXAMINATION

Subject	Duration Hours	Internal assessment marks	External examination marks	Total marks
A. Theory				
Paper I- Clinical Nursing I	3	25	75	100
Paper II- Clinical Nursing II	3	25	75	100
Paper III - Supervision and Management, Clinical Teaching, Elementary Research and Statistics	3	25	75	100
B. Practical				
Clinical Nursing (teaching & supervision to be Integrated)		100	100	200
Grand Total		175	325	500

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GENERAL RULES FOR UNIVERSITY YEARLY EXAMINATION

A. Condition for admission to Examination

1. The student has attended not less than 75 % of the theoretical instruction hours in each subject during the year.
2. The student has done not less than 75 % of the clinical practical hours. However, students should make up 100% of attendance in term of hours and activities before awarding the certificate.

B. Examination Body

3. The examination to be conducted by the State Nursing Registration Council / State Nursing Examination Board/ **University recognized** by the Indian Nursing Council.

C. Standard of Passing

4. In order to pass a candidate should obtain at least 50% marks separately in internal and external examination in each of the theory and practical papers.
5. Grades are as follows
 - a) Second division = Less than 60%
 - b) First division = 60 % and above and below 75%
 - c) Distinction = 75 % and above
6. Students will be given opportunity of maximum of 3 attempts for passing.

CERTIFICATION

1. **TITLE** – Post Basic Diploma In Emergency And Disaster Nursing.
2. A diploma is awarded upon successful completion of the prescribed study programme which will state that
 - a) Candidate has completed the prescribed course of Emergency & Disaster Nursing.
 - b) Candidate has completed prescribed clinical experience.
 - c) Candidate has passed the prescribed examination.

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Post Basic Diploma in Emergency and Disaster Nursing

CLINICAL NURSING –I (Including Foundation Courses)

Theory = 155 hours

Course Description: This course is designed to develop an understanding of the principles of related biological and behavioral sciences, and emergency nursing including medical and surgical emergencies.

Objectives: At the end of the course the student will be able to :

1. Describe the concepts and principles of behavioral and biological sciences as applied to emergency nursing.
2. Describe the concepts and principles of emergency nursing.
3. Perform Advanced Cardiac Life support.
4. Describe Triage and the role of Nurse.
5. Describe Nursing process pertaining to medical and surgical emergencies.

Unit	Hours	Theory	Hours	Practical
I	09	Psychology Review <ul style="list-style-type: none"><input type="checkbox"/> Individual differences<input type="checkbox"/> Learning, Motivation, attention and perception.<input type="checkbox"/> Emotions<input type="checkbox"/> Human behavior and needs in emergency and disaster<input type="checkbox"/> Stress and coping in emergency situations<input type="checkbox"/> Leadership<input type="checkbox"/> Attitudes and humanizing care.	01	Role play on Counselling of patient or relatives.
II	10	Sociology Review <ul style="list-style-type: none"><input type="checkbox"/> Social organization and community resources<input type="checkbox"/> Leadership roles in community<input type="checkbox"/> Health-illness continuum in society<input type="checkbox"/> Effects of emergency and disaster on individual, family, community and society<input type="checkbox"/> Role of individual, family, community and society during emergency and disaster		

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Unit	Hours	Theory	Hours	Practical
III	06	Microbiology Review <ul style="list-style-type: none"> <input type="checkbox"/> Immunity <input type="checkbox"/> Infection <input type="checkbox"/> Epidemiology of common communicable diseases <input type="checkbox"/> Principles of asepsis, sterilization and disinfection <input type="checkbox"/> Diagnostic tests in Microbiology and related nurses responsibility <input type="checkbox"/> Standard safety measures and biomedical waste management 	04	Visit to CSSD
IV	20	Applied Anatomy and Physiology Review <ul style="list-style-type: none"> <input type="checkbox"/> Neurological system <input type="checkbox"/> Respiratory system <input type="checkbox"/> Cardiovascular system <input type="checkbox"/> Gastro-Intestinal system <input type="checkbox"/> Endocrine system <input type="checkbox"/> Musculoskeletal system <input type="checkbox"/> Genitourinary system <input type="checkbox"/> Reproductive system <input type="checkbox"/> Sensory organs 		
V	9	Pharmacology Review <ul style="list-style-type: none"> <input type="checkbox"/> Pharmacokinetics <input type="checkbox"/> Drug reaction and toxicity <input type="checkbox"/> Drugs used in emergency <input type="checkbox"/> Anesthetic agents <ul style="list-style-type: none"> ▪ Analgesics / Anti inflammatory agents ▪ Antibiotics ▪ Antiseptics ▪ Inotropic ▪ Antihypertensive ▪ Antianginals ▪ Antiaarythmics ▪ Anticoagulants 	1	Drug calculation Operating syringe pump, infusion pump

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Unit	Hours	Theory	Hours	Practical
		<ul style="list-style-type: none"> ▪ Thrombolytic ▪ Antiplatelets ▪ Haemostatic / antihemorrhagic ▪ Antiepileptic ▪ Bronchodilators ▪ Antihistaminic, anti-allergy, Antidotes ▪ Potassium chloride, calcium gluconate, sodabical Sedatives, muscle relaxant <input type="checkbox"/> Principles of drug administration, role of nurses and care of drugs		
VI	10	Introduction to Emergency and Disaster Nursing <ul style="list-style-type: none"> <input type="checkbox"/> Definition, concepts and principles of emergency and disaster nursing <input type="checkbox"/> Organization of resources(men, material and facilities)- Ambulance, training of volunteers <input type="checkbox"/> Legal requirements of Ambulance <input type="checkbox"/> Nursing process <input type="checkbox"/> Emergency unit 		Visit to trauma Center
VII	3	Concept of Emergency Care <ul style="list-style-type: none"> <input type="checkbox"/> Introduction <input type="checkbox"/> Triage <input type="checkbox"/> Concepts of triage <input type="checkbox"/> Role of triage nurse <input type="checkbox"/> Triage skills 	02	Demonstrate triage
VIII	15	Emergency Management <ul style="list-style-type: none"> <input type="checkbox"/> Basic life support (BLS) <input type="checkbox"/> Advanced Cardiac Life support (ACLS) <input type="checkbox"/> Defibrillation, monitoring, O₂ Therapy, endotracheal intubation, Care of patient on ventilators, pace maker and tracheostomy <input type="checkbox"/> Fluid and electrolyte and acid-base balance <input type="checkbox"/> Pain: assessment and management <input type="checkbox"/> Regulation of body temperature <input type="checkbox"/> Unconsciousness <input type="checkbox"/> Death and Dying 	10	Demonstration of BLS - ACLS - Defibrillation - O ₂ Therapy - endotracheal intubation - Care of patient on Ventilator - Pacemakers - Tracheostomy
IX	10	<input type="checkbox"/> Communication Skills and IPR <input type="checkbox"/> Guidance and Counseling		

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Unit	Hours	Theory	Hours	Practical
X	35	Medical Emergencies Application of nursing process pertaining to care of patients with <ul style="list-style-type: none"> <input type="checkbox"/> Fluid, electrolyte and acid base imbalances <input type="checkbox"/> Endocrine emergencies <input type="checkbox"/> Respiratory emergencies <input type="checkbox"/> Cardiovascular emergencies <input type="checkbox"/> Poisoning bites and stings <input type="checkbox"/> Thermo regulatory emergencies <input type="checkbox"/> Neurological emergencies <input type="checkbox"/> Gastro-Intestinal emergencies <input type="checkbox"/> Genitourinary emergencies <input type="checkbox"/> Shock and Hemorrhage <input type="checkbox"/> Drowning <input type="checkbox"/> Food Poisoning 		
XI	10	Surgical Emergencies: Gastrointestinal emergencies <ul style="list-style-type: none"> <input type="checkbox"/> Perforation <input type="checkbox"/> Intestinal obstruction <input type="checkbox"/> Peritonitis <input type="checkbox"/> Appendicitis, burst abdomen and acute abdomen 		

BIBLIOGRAPHY

Psychology

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2. Dodge Fernald and Peter S. Fernald, Introduction to Psychology, AITBS.
3. Jacob Anthikad, Psychology for Graduate Nurses, Jaypee.
4. Morgan C.T. & King, Introduction to Psychology, Megrow bill international.

Sociology

1. Sachadeva Y.V., An introduction to sociology, kithab mahal : Allahabad..
2. R.K.Manelkar, Sociology for Nurses, Sivosankar T.P., Vora Medical Publications. K.P.Pothen, S.Pothen, Sociology for Nurses, 3rd Edition, N.R.Brothers, Indore.
3. C.N. Shankar Rao Principals of sociology with introduction to social thoughts, S Chand E Company Publishers

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Microbiology

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2. Macbie and Mecartney, "Medical microbiology", Printed.
3. P. Ananthanarayan and C. K. Jayarm Panikar, "Textbook of microbiology", Orient Longman Company Ltd.

Anatomy & physiology

1. Waugh, Anne "Ross & Wilson's Anatomy & Physiology in health & illness", Churchill Livingstone.
2. Anthony & Thibodcon, "Anatomy & Physiology for nurses". C.V. Mosby Co., London.
3. Greig, Rhind, "Riddle's Anatomy & Physiology", Churchill Livingstone.
4. Singh, I. B. "Anatomy & Physiology for nurses", Jaypee.
5. Tortora,, "Principles of Anatomy & Physiology," Wiley inter.
6. Chaurasia, B.D., "Human Anatomy", CBS publishers.
7. Sembulingam, "Essentials of Medical Physiology," J.P. Publications

Pharmacology

1. Satoskar, Bhandarkar, Ainapure: Pharmacology and pharmacotherapeutics, Popular Prakashan Mumbai.
2. K D Tripathi: Essentials of medical pharmacology, Jaypee Brothers, Bangalore.
3. Lippincott William and Wilkins, Nurses Drug Guide
4. Chaudhari K.D. Pharmacology for nurse and allied profession..
5. Satoskar R.S., Bhandarkar S.D. & Rege N.N. Pharmacology and Pharmacotherapeutics. Popular Prakashan, Mumbai

Emergency Nursing

1. Kollef and Isako, "The Washington Manuel of Critical Care", Lippincott Williams and Wilkins Publications.
2. Brunner and Suddarth Test book of Medical surgical nursing.
3. Lewis, Heitkemper & Dirksen Medical Surgical Nursing Assessment and Management of Clinical Problem. Mosby.
4. Walsh M. Watson's Clinical Nursing and Related Sciences. Bailliere Tindall Edinburgh.
5. Chintamani Moroney's Surgery for Nurses, Mosby, Missouri
6. Phipps W.J., Long C.B. & Wood N.F. Shaffer's Medical Surgical Nursing B.T.Publication Pvt. Ltd. New Delhi.
7. The Lippincott Manual of Nursing practice, Nettina, Sandra, Lippincott Williams & Wilkins, Philadelphia.
8. Davis Suresh. Textbook of Emergency Medicine
9. Dolan Brian. Accident and Injuries

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SCHEME OF EXAMINATION

Sr. No	Theory Exam	Marks allotted	Duration in hours
1	Internal Assessment	25	-
2	External Assessment	75	3
	Total	100	

INTERNAL ASSESSMENT

(25 MARKS)

Sr No	Item	Marks allotted	Weightage (%)	Marks out of 25
1.	First term Exam	50	20	5.0
2.	Pre-final Exam	75	30	7.5
3.	Assignments			
	a) Seminar	25	10	2.5
	b) Journal- Interventions, instruments, machines.	25	20	5.0
	c) Drug book	25	10	2.5
4.	Attendance		10	2.5
	Total	200	100	25

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CLINICAL NURSING – II

Theory = 155Hours

Description: This course is designed to develop an understanding of the principles of nursing management during severe trauma, maternal and child health , other emergencies and disaster.

Objectives:

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

1. Define the concepts of Trauma care.
2. Perform early management of severe trauma.
3. Describe injuries of different body systems.
4. Describe nursing process pertaining to Obstetrical, Gynecological and pediatric emergencies.
5. Describe nursing process pertaining to behavioral emergencies.
6. Describe Management of mass-disaster victims.

Unit	Hours	Theory	Hrs	Practical
I	40	Early management of trauma: <ul style="list-style-type: none"> <input type="checkbox"/> Concepts in trauma care, Biomechanics of injury, Trauma prevention, Road safety <input type="checkbox"/> Initial assessment and early management of trauma <input type="checkbox"/> Management of: <ul style="list-style-type: none"> ▪ Road traffic accidents ▪ Traumatic shock ▪ Pain ▪ Cranio Facial injuries ▪ Musculoskeletal and spinal injuries ▪ Cardio thoracic injuries ▪ Abdominal injuries ▪ Injuries during pregnancy ▪ Burns <input type="checkbox"/> Role of Nurse <input type="checkbox"/> Post-trauma rehabilitation 	20	Airway management <ul style="list-style-type: none"> - Application of oropharyngeal airway - Care of tracheostomy - Conduct Endotracheal intubation Cardiac monitoring CPR Gastric lavage Setting ventilators IV cannulation EGC Administration of emergency drugs Application of splints Care of traction Blood administration

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Unit	Hours	Theory	Hrs	Practical
II	10	<p>Obstetrical and Gynecological emergencies</p> <p>Obstetrical emergencies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1st Trimester emergencies: Ectopic pregnancy, Abortions <input type="checkbox"/> Antepartum hemorrhage, placenta previa, preeclampsia and eclampsia, ruptured uterus <input type="checkbox"/> Postpartum emergencies: Post partum hemorrhage <input type="checkbox"/> Obstetric shock <p>Gynecological emergencies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ovarian cyst/abscess <input type="checkbox"/> Pelvic inflammatory disease <input type="checkbox"/> Gynecological trauma <input type="checkbox"/> Sexual assault <input type="checkbox"/> Vaginal bleeding <input type="checkbox"/> Role of nurse 	5	<p>Per abdominal palpation</p> <p>Per vaginal examination of cervix.</p> <p>Assessment of sexual assault patient.</p>
III	30	<p>Pediatric emergencies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Medical and Surgical Emergencies <input type="checkbox"/> Respiratory system <input type="checkbox"/> Cardiovascular system <input type="checkbox"/> Neurological system <input type="checkbox"/> Gastro intestinal system <input type="checkbox"/> Infectious disease emergencies <input type="checkbox"/> Skin lesions and Burns <input type="checkbox"/> Poisoning, Foreign bodies, drowning <input type="checkbox"/> Accidents <input type="checkbox"/> Shocks <input type="checkbox"/> Child Abuse and sexual assault <input type="checkbox"/> Role of Nurse 	10	<p>Pediatric procedures</p> <p>-Assessment</p> <p>- monitoring of vital signs</p> <p>-Oxygen therapy</p> <p>-Injections</p> <p>- IV cannulation</p> <p>_ Blood collection</p>
IV	15	<p>Behavioural Emergencies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Suicide <input type="checkbox"/> Homicide <input type="checkbox"/> Substance abuse-alcohol, drugs 		

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Unit	Hours	Theory	Hours	Practical
		<input type="checkbox"/> Panic attack <input type="checkbox"/> Acute Depression <input type="checkbox"/> Sexual assault <input type="checkbox"/> Post traumatic stress disorder (PTSD) <input type="checkbox"/> Role of Nurse		
V	25	Mass disaster management <input type="checkbox"/> Introduction <input type="checkbox"/> Concepts and principles of disaster <input type="checkbox"/> Types of Disaster <ul style="list-style-type: none"> ▪ Natural : Epidemics, Earthquake, Tsunami, flood, cyclone, landslides, fire etc ▪ Man Made Disasters: Terrorism Based Nuclear, Biological and chemical warfare <input type="checkbox"/> Disaster Management: <ul style="list-style-type: none"> • Pre hospital • Hospital • Community • Disaster Drill- Preparedness • Disaster Education • Role of a Nurse in organizing and coordinating outreach services. • Role of Nurse 		Disaster Drill

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CLINICAL NURSING –II

SCHEME OF EXAMINATION

Sr. No	Theory Exam	Marks allotted	Duration in hours
1	Internal Assessment	25	-
2	External Assessment	75	3
	Total	100	

INTERNAL ASSESSMENT

(25 MARKS)

Sr. No	Item	Marks allotted	Weightage (%)	Marks out of 25
1.	First term Exam	50	20	5
2.	Pre-final Exam	75	30	7.5
3.	Assignments			
	a) Seminar	25	10	2.5
	b) Journal – Management of various emergencies	25	20	5
	c) Journal- Disaster management	25	10	2.5
4.	Attendance		10	2.5
	Total	200	100	25

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**SUPERVISION AND MANAGEMENT, CLINICAL TEACHING, ELEMENTARY
RESEARCH AND STATISTICS**

Total Hours: 90

Description: This course is designed to develop an understanding of the principles of supervision and management, clinical teaching and research.

Objectives:

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

1. Describe Professional trends.
2. Describe role of nurse in management and supervision of nursing personnel in emergency and disaster situations.
3. Teach nurses and allies health workers about emergency and disaster nursing.
4. Describe research process and perform basic statistical tests.
5. Plan and conduct research in emergency and disaster nursing.

Section- A Supervision and Management

- 30 Hours

Unit	Hours	Theory	Hours	Practical
I	15	Supervision and Management <ul style="list-style-type: none"> <input type="checkbox"/> Management <ul style="list-style-type: none"> ▪ Definition and principles ▪ Elements of management of emergency unit:- Planning, Organizing, Staffing, Reporting, Recording and Budgeting <input type="checkbox"/> Unit management:- Time, material and personnel, Layout and design of an Ideal unit, Planning Based on Patient Classification <input type="checkbox"/> Institutional disaster management plan <input type="checkbox"/> Ambulance services <ul style="list-style-type: none"> ▪ Planning of Ambulance Service ▪ Planning Men and Material for Ambulance ▪ An Ideal Ambulance 	5	Visit to Ideal Ambulance Preparation of - SOPs - Performance appraisal tool

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Unit	Hours	Theory	Hours	Practical
		<ul style="list-style-type: none"> <input type="checkbox"/> Clinical Supervision <ul style="list-style-type: none"> ▪ Introduction. Definition and objectives of supervision ▪ Principles and Functions of supervision ▪ Qualities of supervisors ▪ Responsibilities of clinical supervisors <input type="checkbox"/> Practice Standards of emergency units <ul style="list-style-type: none"> ▪ Policies and Procedures ▪ Establishing Standing orders and Protocols ▪ Orientation programme for new recruits <input type="checkbox"/> Quality Assurance Programme in emergency units <ul style="list-style-type: none"> ▪ Nursing Audits ▪ ISO, NABH, JCI accreditation <input type="checkbox"/> Performance Appraisal <ul style="list-style-type: none"> ▪ Principles of performance evaluation ▪ Tools of performance appraisal <ul style="list-style-type: none"> ○ Rating scales ○ Checklists ○ Peer reviews ○ Self appraisals <input type="checkbox"/> Staff Development <ul style="list-style-type: none"> ▪ Introduction ▪ In-service education ▪ Continuing education 		
II	5	<p>Professional trends</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction <input type="checkbox"/> Code of Ethics, code of professional conduct and practice standards of Nursing in India <input type="checkbox"/> Ethical issues in emergency care <input type="checkbox"/> Expanding role of the nurse: Specialist nurse, Nurse Practitioner etc <input type="checkbox"/> Professional organizations 		

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Unit	Hours	Theory	Hours	Practical
III	5	Medico-Legal aspects <ul style="list-style-type: none"> <input type="checkbox"/> Legislations and regulations to emergency care <input type="checkbox"/> Consumer Protection Act (CPA) <input type="checkbox"/> Negligence and Malpractice <input type="checkbox"/> Legal responsibilities of nurses in emergency management <ul style="list-style-type: none"> ▪ Case studies of judgment with regard to negligence of services of in the hospital <input type="checkbox"/> Medico legal aspects <input type="checkbox"/> Records and Reports <input type="checkbox"/> Role of the nurse in Legal issues 		

Section B: Clinical Teaching

30 hrs

Unit	Hrs	Theory	Hrs	Practical
IV	20	Teaching Learning Process <ul style="list-style-type: none"> <input type="checkbox"/> Introduction and concepts <input type="checkbox"/> Principles of teaching and learning <input type="checkbox"/> Formulation of learning objective <input type="checkbox"/> Lesson planning <input type="checkbox"/> Teaching methods <ul style="list-style-type: none"> ▪ Lecture ▪ Demonstration, simulation ▪ Discussion ▪ Clinical teaching methods ▪ Microteaching ▪ Self learning <input type="checkbox"/> Evaluation- Assessment of students <ul style="list-style-type: none"> ▪ Purposes ▪ Types ▪ Steps ▪ Tools for assessing knowledge, skill and attitude <input type="checkbox"/> Use of media in teaching learning process 	10	Preparing lesson plans Conducting clinical teaching (3) using various teaching methods.

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Section- C Elementary research and Statistics

-30 Hours

Unit	Hrs	Theory	Hrs	Practical
V	18	Research <ul style="list-style-type: none"> <input type="checkbox"/> Research and research process <input type="checkbox"/> Types of Research <input type="checkbox"/> Research problem /question <input type="checkbox"/> Review of Literature <input type="checkbox"/> Research approaches and designs <input type="checkbox"/> Sampling <input type="checkbox"/> Data collection: tools and techniques <input type="checkbox"/> Analysis and interpretation of data <input type="checkbox"/> Communication and utilization of Research <input type="checkbox"/> Research priorities in cardio thoracic 	2	Presentation of research proposal
	7	Statistics <ul style="list-style-type: none"> <input type="checkbox"/> Sources and presentation of data <ul style="list-style-type: none"> ▪ Qualitative and quantitative ▪ Tabulation, frequency distribution, percentiles ▪ Graphical presentation <input type="checkbox"/> Measures of central tendency: Mean, Median, Mode <input type="checkbox"/> Measures of Variance <input type="checkbox"/> Normal probability and tests of significance <input type="checkbox"/> Co-efficient of correlation <input type="checkbox"/> Statistical packages and its application <input type="checkbox"/> Preparing a research proposal <input type="checkbox"/> Application of Computers. 	3	Computer application – practicals <ul style="list-style-type: none"> • MS word • MS Excel • MS PPT

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BIBLIOGRAPHY

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3. Pai, Pragna. Effective Hospital Management, The National Book Depot: Mumbai,
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5. Goel, & Kumar, R. Hospital Administration and Management, Deep and Deep Publications: New Delhi,
6. Russels, C S. Management & Leadership for Nurse Managers, Jones Bartlett Publishers: London,
7. Francis, E M & Desouza, Mario. Hospital Administration, Jaypee Brothers Medical Publishers: New Delhi,
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9. Barret, Jean. Ward Management and Teaching, English Book Society: New Delhi,

Clinical Teaching

1. Bhatia, Kamala & Bhatia B.D.: The Principles and Methods of Teaching: Delhi, Doaba House.
2. Neeraja, Nursing Education, New Delhi, Jaypee Brother.
3. Safaya, Raghunath & Shaida, B.D. Educational Theory & Practice, Delhi, Dhanpat Row & Sons.
4. Bhatia, Hans Raj Elements of Educational Psychology, Bombay, Qnent Conpman Sthed.

Elementary research and statistics

1. Polit, D.F. & Beck CT, Nursing Research, Principles and Methods, Lippincott Williams & Wilkins, Philadelphia.
2. Polit D. and Hunglar B P, Nursing research principles and methods, Lippincott, Philadelphia.
3. Laura A.Talbot, Principles and practice of nursing research, Mosby St. Louis.
4. DorothyYB & Marie TH, Fundamentals of research in Nursing, Jones & Bartlett Publishers, Boston.
5. Mahajan Methods in Bio statistics.
6. Trece E.W. & Treece JW: Elements of Research in Nursing, The CV Mosby Company St, Louis

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SCHEME OF EXAMINATION

Sr. No	Theory Exam	Marks allotted	Duration in hours
1	Internal Assessment	25	-
2	External Assessment	75	3
	Total	100	

INTERNAL ASSESSMENT

(25 MARKS)

Sr. No	Item	Marks allotted	Weightage (%)	Marks out of 25
1.	First term Exam	50	20	5
2.	Pre-final Exam	75	30	7.5
3.	Assignments			
	a) Ward management report	25	10	2.5
	b) Clinical teaching (3)	150	10	2.5
	c) Research project	100	20	5.0
4.	Attendance		10	2.5
	Total	400	100	25

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CLINICAL HOURS AND AREA DISTRIBUTION
TOTAL CLINICAL HOURS ALLOTTED

SR. NO.	AREA	WEEKS	HOURS
1	Casualty – adult	6	204
2	Casualty – Pediatric	4	136
3	Casualty – Obstetric	4	136
4	Trauma Centre	4	136
5	Burns centre	2	68
6	MICU	4	136
7	SICU	4	136
8	NICU	4	136
9	PICU	4	136
10	Neuro ICU	2	68
	TOTAL	38 weeks	1520
	Internship*	4 weeks	160

*Two weeks evening and two weeks night (40 hrs per week)

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SCHEME OF EXAMINATION (Practical)

Sr. No	Theory Exam	Marks allotted
1	Internal Assessment	100
2	External Assessment	100
	Total	200

MARKS DISTRIBUTION OF THE ASSIGNMENTS

Sr. No	Item	Marks allotted	Weightage (%)	Marks out of 100
1.	First term Exam	50	10	10
2.	Pre-final Exam	100	30	30
3.	Assignments			
	a) Clinical Evaluation (MICU, SICU, Casualty, NICU)	400	10	10
	b) Case studies (5)	250	10	10
	c) Case Presentations (5)	250	10	10
	d) Observation report	50	5	10
	e) Nursing Care Plan	50	5	5
	f) Health Teaching (5)	125	10	5
4.	Attendance		10	10
	Total	1275	100	100

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ESSENTIAL EMERGENCY NURSING SKILLS

I. Procedures to be observed

1. CT scan
2. MRI
3. Trauma X-ray
4. Any other

II. Procedures to be assisted

1. Advanced Cardiac life support
2. Thoracentesis
3. Paracentesis
4. Lumbar Puncture
5. Arterial Blood Gas
6. ECG Recording
7. Cast application
8. Blood transfusion
9. IV cannulation – open method
10. Chest tube insertion
11. Endotracheal intubation
12. Defibrillation
13. Ventilation
14. Tracheostomy
15. CVP monitoring

III. Procedures to be performed

1. Airway management
 - a) Application of Oro Pharyngeal Airway
 - b) Care of Tracheostomy

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- c) Conduct Endotracheal Intubation
- 2. Cardiac Monitoring
- 3. Cardio Pulmonary Resuscitation
- 4. Gastric Lavage
- 5. Setting of Ventilators
- 6. IV Cannulation
- 7. ECG
- 8. Administration of emergency IV Drugs
- 9. Application of Splints
- 10. Care of traction
- 11. Blood Administration

IV. Other procedures: