



DINSHA PATEL COLLEGE OF NURSING

MANAGED BY: MAHAGUJARAT MEDICAL SOCIETY

Recognized By: Indian Nursing Council New Delhi, Govt. of Gujarat, Gujarat Nursing Council Ahmadabad,

2(F) Recognition By: University Grant Commission New Delhi,

Affiliated By: Sardar Patel University, V.V. Nagar, Anand



UNIT PLAN : CLINICAL SPECIALTY – I (MEDICAL SURGICAL NURSING) F.Y. M.Sc. NURSING

Placement : 1st year

Theory : 150 Hrs.

Practical : 650 Hrs.

Total : 800 Hrs.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
I	5	Introduce the trends and issue in medical surgical Nursing	Introduction : - Historical development of medical surgical nursing in India. - Current status of health and disease in India. - Concept of health. - Trends and issue in medical surgical Nursing. - Ethical and current issue in medical surgical Nursing. - Rights of patient. - National health policy, special law,	Lecture cum discussion. Assignment and presentation.	Unit test. Essay type questions. Short answer questions Short note. Evaluation of presentation

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<p>and ordinance related to older people.</p> <ul style="list-style-type: none"> - National goal. - Five year plan - National health programme related to adult people. 		
II	20	Perform physical and psychosocial assessment of the patients.	<p>Health assessment of the patients.</p> <ul style="list-style-type: none"> - History taking. - Physical examination of various systems. - Nutritional assessment. - Related investigations and diagnostic assessment. 	Demonstration	<p>Evaluation of redemonstration.</p> <p>Checking health assessment Performa.</p>
III	5	Describe care in hospital setting	<p>care in hospital setting</p> <ul style="list-style-type: none"> - Ambulatory care. - Acute and critical care. - Long term care. - Home health care. - Characteristics, care model, practice setting, interdisciplinary team. - Hospitalization. - Stressor and its effect. - Nursing care using nursing process approach. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p> <p>Evaluation of group</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
					discussion.
IV	10	Explain the management of patients with disorder of G.I Tract.	<p>Management of patients with disorder of G.I Tract.</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p> <p>Evaluation of group discussion.</p>
V	10	Describe the management of patients with disorder of Nervous system	<p>Management of patients with disorder of Nervous system.</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 		<p>Evaluation of presentation</p> <p>Evaluation of group discussion.</p>
VI	10	Explain the management of patients with disorder of Respiratory system	<p>Management of patients with disorder of Respiratory system</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p> <p>Evaluation of group discussion.</p>
VII	10	Describe the	Management of patients with	Lecture cum	Unit test.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
		management of patients with disorder of cardiovascular system	<p>disorder of Cardiovascular system.</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 	<p>discussion.</p> <p>Assignment and presentation.</p>	<p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>
VIII	5	Describe the management of patients with disorder of Blood	<p>Management of patients with disorder of blood.</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<p>prognosis.</p> <ul style="list-style-type: none"> - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 		Evaluation of group discussion.
IX	10	Describe Management of patients with disorder of Genito urinary system	<p>Management of patients with disorder of Genito urinary system.</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p> <p>Evaluation of group discussion.</p>
X	10	Explain	<p>Management of patients with disorder of Endocrine system system.</p> <ul style="list-style-type: none"> - Review of anatomy and 	Lecture cum discussion.	<p>Unit test.</p> <p>Essay type questions.</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up.		Short answer questions Short note.
XI	10	Describe Management of patients with disorder of Musculo skeletal system system.	Management of patients with disorder of Musculo skeletal system. - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis.	Lecture cum discussion. Group discussion.	Unit test. Essay type questions. Short answer questions Short note. Evaluation of group discussion.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 		
XII	8	Explain Management of patients with disorder of Integumentary system.	<p>Management of patients with disorder of Integumentary system.</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 	Lecture cum discussion.	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p>
XIII	5	Describe Management of patients with disorder of Eye and ENT system.	<p>Management of patients with disorder of Eye and ENT system.</p> <ul style="list-style-type: none"> - Review of anatomy and 	Lecture cum discussion.	<p>Unit test.</p> <p>Essay type questions.</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<p>physiology.</p> <ul style="list-style-type: none"> - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 	Assignment and presentation.	<p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>
XIV	8	Explain Management of patients with disorder of Reproductive system.	<p>Management of patients with disorder of Reproductive system.</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 		
XV	8	Explain about geriatric nursing.	Geriatric Nursing. <ul style="list-style-type: none"> - Nursing assessment – history and physical examination. - Aging. - Demography- myth and reality. - Concept and theory of aging. - Cognitive aspect of aging. - Normal biological aging. - Age related body system change. - Psychological aspect of aging. - Medication and elderly. - Stress and coping in older adults. - Common health problems and nursing management. - Psychological and sexual. - Abuse of elderly. - Role of nurse in ambulation nutrition, communication, psychosocial and spiritual aspect. - Role of family and formal and non formal caregivers. 	Lecture cum discussion. Assignment and presentation. Group discussion.	Unit test. Essay type questions. Short answer questions Short note. Evaluation of presentation Evaluation of group discussion.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Use of aids and prosthesis (hearing aids, dentures) - Legal and ethical issue. - Provision and programme for elderly; privileges, community programmes and health services. - Home and institutional care. - Issues, problems and trends. 		
XVI	8	Describe the management of patient with communicable and sexually transmitted disease	<p>Describe the management of patient with communicable and sexually transmitted disease :</p> <ul style="list-style-type: none"> - Review of anatomy and physiology. - Disorder of immune system- HIV /AIDS - Review of infectious disease process. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p> <p>Evaluation of group discussion.</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 		
XVII	8	Describe the emergency, trauma, and multi system organ failure	<p>Emergency, trauma, and multi system organ failure.</p> <ul style="list-style-type: none"> - Disseminated Intravascular Coagulopathy. - Trauma , burns and poisoning. - Health assessment – history taking, physical examination, investigations and diagnostic assessment. - Etiology, Pathophysiology, clinical manifestation, complications and prognosis. - Treatment modalities and trends. - Nursing managements. - Related research studies. - Evidence based nursing practice. - Rehabilitation and follow up. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>

UNIT PLAN : CLINICAL SPECIALTY – II (MEDICAL SURGICAL NURSING)
SUB SPECIALTY - CARDIO VASCULAR AND THORACIC NURSING.
S.Y. M.Sc. NURSING

Placement : 2nd year

Theory : 150 Hrs.
 Practical : 950 Hrs.
 Total : 1100 Hrs.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
1	5	Describe trends, issue, ethical and legal aspect, advancement related to cardiothoracic nursing.	Introduction : - Historical development of, trends and issue on the field of cardiology. - Cardiovascular and thoracic conditions- major health problems. - Concepts, principles and nursing perspective. - Ethical and legal issues. - Evidence based Nursing and its application in cardiovascular and thoracic nursing .	Lecture cum discussion. Assignment and presentation. Group discussion.	Unit test. Short answer questions Short note. Evaluation of presentation Evaluation of group discussion.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
II	5	Introduce to risk factors, alternative approaches and complimentary therapy related to cardio thoracic nursing.	<p>Epidemiology :</p> <ul style="list-style-type: none"> - Risk factors : hereditary, psychosocial factors, hypertension, smoking, obesity, diabetes mellitus. - Health promotion, disease prevention, life style modification. - National health programme related to cardio vascular and thoracic conditions. - Alternative system of medicine. - Complimentary therapy. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p>	<p>Unit test.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>
III	5	Review the anatomy and physiology related to cardio vascular and respiratory system.	<p>Review of anatomy and physiology of cardio vascular and respiratory system :</p> <ul style="list-style-type: none"> - Review of anatomy and physiology of heart, lungs, thoracic cavity, blood vessels, embryology of heart and lung. - Coronary circulation. - Heamodynamics and electrophysiology of heart. - Bio- chemistry of blood in relation to cardiopulmonary functions. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Unit test.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p> <p>Evaluation of group discussion.</p>
IV	20	Describe the History	Assessment and diagnostic measures	Lecture cum	Unit test.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
		taking physical assessment and radio diagnostic test used in cardio thoracic ailments.	<ul style="list-style-type: none"> - History taking. - Physical assessment: Heart rate variability, mechanisms, measurements, pattern, factors, impact of intervention on heart rate variability. - Diagnostic tests : <ul style="list-style-type: none"> ▪ Hemodynamic monitoring : Technical aspects, monitoring, functional hemodynamic indices, ventricular function indices, output measurements (Arterial and swan Ganz Monitoring), blood gas and its significance, oxygen supply and demand. ▪ Radiological examination of chest: interpretation, chest film finding. ▪ Electrocardiogram : Electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiogram, ECG changes in intra ventricular conduction abnormality, 	<p>discussion.</p> <p>Assignment and presentation.</p> <p>Group discussion.</p>	<p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p> <p>Evaluation of group discussion.</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<p>arrhythmias, ischemia, injury and infarction, atrial and ventricular enlargement, electrolytes imbalance.</p> <ul style="list-style-type: none"> ▪ Echocardiography : Technical aspects, special techniques, echocardiography of structure of heart in health and disease. ▪ Nuclear and other imaging studies of heart : MRI ▪ Cardioelectrophysiological procedure : diagnostic studies, interventional and catheter ablation therapy, Nursing care. ▪ Exercise testing : indications and objectives, safety, and personnel, pre test consideration, selection, interpretation, test termination, recovery period. ▪ Cardiac catheterization : Indications, contra indications, patients' preparation, procedure and interpretation of data. ▪ Pulmonary function tests : 		

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<p>Bronchoscopy and graphies.</p> <ul style="list-style-type: none"> ▪ Interpretation of diagnostic measures. ▪ Nurses' role in diagnostic tests. <p>- Laboratory testing using blood : Blood collection, cardiac markers, blood lipids, hematological studies, blood cultures, coagulation studies, ABG, blood chemistry, cardiac enzyme studies, serum concentration of selected drugs.</p> <p>- Interpretation and role of nurse.</p>		
V	25	Discuss the cardiac disease conditions and its managements.	<p>Cardiac disorders and nursing management: <i>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology and nursing management of:</i></p> <ul style="list-style-type: none"> - Coronary Artery Disease. - Angina of various types. - Cardiomegaly - Myocardial Infarction, Congestive cardiac failure - Heart Failure, Pulmonary Edema, Shock. 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Rheumatic heart disease and other Valvular Diseases. - Inflammatory Heart Diseases, Infective Endocarditis, Myocarditis, Pericarditis. - Cardiomyopathy, dilated, restrictive, hypertrophic. Arrhythmias, heart block Associated illnesses		
VI	10	Discuss the Respiratory disease conditions and its managements.	Altered pulmonary conditions <i>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology and nursing management of:</i> <ul style="list-style-type: none"> - Bronchitis - Bronchial asthma - Bronchiectasis - Pneumonias - Lung abscess, lung tumor - Pulmonary tuberculosis, fibrosis, - pneumoconiosis etc . - Pleuritis, effusion - Pneumo, haemo and pyothorax - Interstitial Lung Disease 	Lecture cum discussion. Assignment and presentation.	Unit test. Essay type questions. Short answer questions Short note. Evaluation of presentation

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Acute and Chronic obstructive pulmonary disease (conditions leading to) - Cor pulmonale - Acute respiratory failure - Adult respiratory distress syndrome - Pulmonary embolism - Pulmonary Hypertension 		
VII	10	Discuss Valvular disease conditions and its managements.	<p>Vascular disorders and nursing management : <i>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology and nursing management of:</i></p> <ul style="list-style-type: none"> - Disorders of arteries - Disorders of the aorta. - Aortic Aneurysms, - Aortic dissection - Raynaud's phenomenon - Peripheral arterial disease of the lower extremities - Venous thrombosis - Varicose veins 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p> <p>Evaluation of presentation</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Chronic venous insufficiency and venous leg ulcers - Pulmonary embolism 		
VIII	10	Explain about cardiothoracic emergency and its management.	Cardio thoracic emergency interventions <ul style="list-style-type: none"> - CPR- BLS and AU3 - Use of ventilator, defibrillator , pacemaker - Post resuscitation care. - Care of the critically ill patients. - Psychosocial and spiritual aspect of care. 		
IX	10	Discuss the nursing care of the patient suffering with obstructive air way disease.	Nursing care of a patient with obstructive airway <ul style="list-style-type: none"> - Assessment - Use of artificial airway - Endotracheal intubation, tracheostomy and its care a Complication, minimum cuff leak, securing tubes Oxygen delivery systems. <ul style="list-style-type: none"> - Nasal Cannula 	Lecture cum discussion. Assignment and presentation. Group discussion.	Unit test. Essay type questions. Short answer questions Short note. Evaluation of presentation

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Oxygen mask, Venturi mask - Partial rebreathing bag. - Bi-PAP and C-PAP masks - Uses, advantages, disadvantages, nursing implications of each. <p>Mechanical Ventilation</p> <ul style="list-style-type: none"> - Principles of mechanical ventilation a Types of mechanical ventilation-and ventilators. - Modes of ventilation, advantage, disadvantage, complications. - PEEP therapy, indications, physiology, and complications. Weaning off the ventilator. - Nursing assessment and interventions of ventilated patient. 		Evaluation of group discussion.
X	10	Discuss the Congenital cardiac conditions and its managements.	<p>Congenital Heart Diseases <i>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology and nursing management of:</i></p> <ul style="list-style-type: none"> - Embryological development of heart. - Classification - cyanotic and 	<p>Lecture cum discussion.</p> <p>Assignment and presentation.</p>	<p>Unit test.</p> <p>Essay type questions.</p> <p>Short answer questions</p> <p>Short note.</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			acyanotic heart disease. - Tetra logy of Fallots. - Atrial Septal Defect, Ventricular Septal Defect., Eisenmenger's complex. - Patent ductus arteriosus, AP window - Truncus Arteriosus. - Transposition of great arteries. - Total Anomaly of Pulmonary Venous Connection. - Pulmonary stenosis, atresia. - Coarctation of aorta. Ebstein's anomaly - Double outlet right ventricle, Single ventricle", Hypo plastic left heart syndrome.		Evaluation of presentation
XI	10	Discuss the pharmacology of drugs used in cardio thoracic conditions.	Review Pharmacology - Pharmacokinetics - Analgesics/Anti inflammatory agents - Antibiotics, antiseptics - Drug reaction & toxicity.	Lecture cum discussion.	Unit test. Short answer questions Short note. Evaluation of

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Drugs used in cardiac emergencies <ul style="list-style-type: none"> a Blood and blood components. - Antithrombolytic agents - Inotropic agents - Beta-blocking agents - Calcium channel blockers. - Vaso constrictors. - Vaso dilators - ACE inhibitors. - Anticoagulants - Antiarrhythmic drugs. - Anti hypertensives - Diuretics - Sedatives and tranquillizers. - Digitalis. - Antilipemics - Principles of drug administration, role and responsibilities of nurses and care of drugs 		presentation
XII	20	Describe the nursing care of the patient undergoing cardio thoracic surgery.	Nursing Care of patient undergoing- cardio thoracic surgery <ul style="list-style-type: none"> - Indications, selection of patient - Pre operative assessment and 	Lecture cum discussion. Assignment and presentation.	Unit test. Essay type questions. Short answer questions

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<p>preparation; counseling.</p> <ul style="list-style-type: none"> - Intra operative care: Principles of open heart surgery, equipment, anesthesia, cardiopulmonary by pass. - Surgical procedures for Coronary Artery Bypass Grafting, recent advances and types of grafts, Valve replacement or reconstruction, cardiac transplant, Palliative surgery and different Stents, vascular surgery, other recent advances. - Thoracic surgery: lobectomy, pneumonectomy, tumour excision etc - Immediate postoperative care : assessment, post operative problems and interventions ; Bleeding, Cardiac tamponade, Low cardiac output, Infarction, Pericardial effusion, Pleural effusion, Pneumothorax, Haemothorax, Coagulopathy, Thermal imbalance, Inadequate . 		<p>Short note.</p> <p>Evaluation of presentation</p>

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			ventilation/perfusion, Neurological problems, renal problems, Psychological problems. - Chest physiotherapy - Nursing interventions, complimentary therapy/alternative systems of medicine. - Intermediate and late post operative care after CABG, valve surgery, others. - Follow up care		
XIII	5	Explain about the cardiac rehabilitation.	Cardiac rehabilitation - Process - Physical evaluation - Physical conditioning for cardiovascular efficiency through exercise - Counseling - Follow up care	Lecture cum discussion.	Unit test. Short answer questions Short note.
XIV	5	Describe about the intensive coronary care unit.	Intensive Coronary Care Unit/intensive cardio thoracic unit: Quality assurance	Lecture cum discussion.	Unit test. Short answer questions

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
			<ul style="list-style-type: none"> - Standards, Protocols, Policies, Procedures - Infection control; Standard safety measures - Nursing audit - Design of ICCU/ICTU - Staffing; cardiac team - Burn out syndrome - Nurse's role in the management of I.C.C.U and ICTU. - Mobile coronary care unit. - Planning in-service educational programme and teaching 		Short note.

UNIT PLAN : NURSING RESEARCH – PART A
F.Y. M.Sc. NURSING

Placement : 1st year

Theory : 150 Hrs.
Practical : 100 Hrs.
Total : 250 Hrs.

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
-------------	-------------------	---------------------------	----------------	-----------------------------------	-----------------------------

Unit	Time (Hrs)	Specific Objective	Content	Teaching learning activity	Method of evaluation
I	Theory : 10	Introduce to basic research, ethical issue, and historical evolution of research in India.	Introduction: <ul style="list-style-type: none"> - Methods of acquiring knowledge - problem solving 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 . - Ethics in research. - Overview of Research process. 	Lecture cum discussion. Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation

Unit	Time (Hrs)		Specific Objective	Content	Teaching learning activity	Method of evaluation
II	Theory : 5	Practical :5	Discuss the importance of review of literature.	Review of Literature <ul style="list-style-type: none"> - Importance, purposes, sources, criteria for selection of resources and steps in reviewing literature. 	Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation.
III	Theory : 12		Explain about research design and approach.	Research Approaches and designs <ul style="list-style-type: none"> - Type: Quantitative and Qualitative. - Historical, survey and experimental - Characteristics, - types advantages and disadvantages - Qualitative: Phenomenology, grounded theory, ethnography. 	Lecture cum discussion.	Unit test. Short answer questions Short note.

Unit	Time (Hrs)		Specific Objective	Content	Teaching learning activity	Method of evaluation
IV	Theory : 10	Practical : 5	Discuss about research problem.	Research problem: <ul style="list-style-type: none"> - Identification of research problem . Formulation of problem statement and research objectives - Definition of terms - Assumptions and delimitations - Identification of variables Hypothesis - definition, formulation and types.	Lecture cum discussion. Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation
V	Theory : 5	Practical : 5	Discuss the development of conceptual model.	Developing theoretical/conceptual framework. <ul style="list-style-type: none"> - Theories: Nature, characteristics, Purpose and uses - Using, testing and developing conceptual framework, models and theories. 	Lecture cum discussion. Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation

Unit	Time (Hrs)		Specific Objective	Content	Teaching learning activity	Method of evaluation
VI		Practical : 6	Explain about sampling.	Sampling <ul style="list-style-type: none"> - Population and sample - Factors influencing sampling - Sampling techniques - Sample size - Probability and sampling error - Problems of sampling. 	Lecture cum discussion.	Unit test. Short answer questions Short note.
VII	Theory : 20	Practical : 10	Discuss about data collection tool and procedure for data collection.	Tools and methods of Data collection: <ul style="list-style-type: none"> - Concepts of data collection - Data sources, methods/techniques - Tools for data collection - types, characteristics and their development - Validity and reliability of tools - Procedure for data collection. 	Lecture cum discussion. Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation

Unit	Time (Hrs)		Specific Objective	Content	Teaching learning activity	Method of evaluation
VIII	Theory : 5		Describe about implementation of research plan.	Implementing research plan <ul style="list-style-type: none"> - Pilot Study, review research plan (design)., planning for data collection, administration of tool/intervention collection of data. 	Lecture cum discussion.	Unit test. Short answer questions Short note.
IX	Theory : 10	Practical :10	Discuss about the data analysis and interpretation of data.	Analysis and interpretation of data <ul style="list-style-type: none"> - 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. 	Lecture cum discussion.	Unit test. Short answer questions Short note.

Unit	Time (Hrs)		Specific Objective	Content	Teaching learning activity	Method of evaluation
X	Theory :10		Explain reporting and utilization of research findings.	Reporting and utilizing research findings: <ul style="list-style-type: none"> - 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. 	Lecture cum discussion. Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation
XI	Theory : 3	Practical :8	Critique the research report.	Critical analysis of research reports and articles	Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation

Unit	Time (Hrs)		Specific Objective	Content	Teaching learning activity	Method of evaluation
XII	Theory : 4	Practical :7	Describe about the research proposal.	Developing and presenting a research proposal	Assignment and presentation.	Unit test. Short answer questions Short note. Evaluation of presentation

