

**CLINICAL SPECIALITY – II**  
**MEDICAL SURGICAL NURSING**  
**SUB SPECIALITY – CARDIO VASCULAR AND THORACIC NURSING**

Placement: II year

Hours of Instruction  
Theory : 150 hours  
Practical: 950 hours  
Total : 1100 hours

**1. Course Description**

This course is designed to assist students in developing expertise and indepth understanding in the field of cardiovascular and thoracic nursing. It will help students to develop advanced skills for nursing intervention in various cardio medical and surgical conditions. It will enable the student to function as Cardio vascular and Thoracic Nurse practitioner/ specialist. It will further enable the student to function as educator, manager and research in the field of cardio vascular and thoracic nursing.

**Objective:**

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

1. Appreciate trends and issues related to cardio vascular and thoracic Nursing.
2. Describe the epidemiology, etiology, pathophydiology and diagnostic assessment of cardio vascular and thoracic conditions
3. Participate in national health programs for health promotion prevention and rehabilitation of patients with cardio vascular and thoracic conditions
4. Perform physical, psychosocial and spiritual assessment
5. Assist in various diagnostic, therapeutic and surgical procedures
6. Apply nursing process in providing comprehensive care to patients with cardio vascular and thoracic conditions
7. Demonstrate advance skills / competence in managing patients with cardio vascular and thoracic conditions including Advance Cardiac Life Support.
8. Describe the various drugs used in cardio vascular and thoracic conditions and nurses responsibility.
9. Demonstrate skill in handling various equipments / gadgets used for critical care of cardio vascular and thoracic patients
10. Appreciate team work & co-ordinate activities related to patient care.
11. Practice infection control measures
12. Identify emergencies and complications and take appropriate measures
13. Discuss the legal and ethical issues in cardio vascular and thoracic nursing
14. Assist patient and their family to cope with emotional distress, grief anxiety and spiritual needs
15. Appreciate the role of alternative system of medicine in care of patient
16. Incorporate evidence based nursing practice and identify the areas of research in the field of cardio vascular and thoracic nursing.
17. Identify the sources of stress and manage burnout syndrome among health care providers.
18. Teach and supervise nurses and allied health workers.
19. Design a layout of ICCU and ICTU and develop standards for cardio vascular and thoracic nursing practice.

Unit	Hrs	Content
I	5	<p><b>2. Introduction</b></p> <ul style="list-style-type: none"> <li>❑ Trends and recent development in the field of cardiology and CVT Nursing</li> <li>❑ Health problems related to CVT field</li> <li>❑ Concepts, principles and Nursing perspectives</li> <li>❑ Ethical and legal implications</li> <li>❑ Recent Research studies in the field of CVT Nursing and Evidence based nursing and its application in cardio vascular and thoracic nursing (to be incorporated in all the units)</li> </ul>
II	5	<p><b>3. Epidemiology</b></p> <ul style="list-style-type: none"> <li>❑ Hereditary psycho social factors, hypertension, smoking, obesity, diabetes mellitus etc</li> <li>❑ Health promotion, disease prevention, Life style modification conditions.</li> <li>❑ National health programs related to cardio vascular and thoracic conditions</li> <li>❑ Alternate system of medicine</li> <li>❑ Complementary therapies</li> </ul>
III	5	<p><b>Review of anatomy and physiology of cardio vascular and respiratory system</b></p> <ul style="list-style-type: none"> <li>❑ Review of anatomy and physiology of heart, lung, thoracic cavity and blood vessels. Embryology of heart and lung.</li> <li>❑ Coronary circulation, Pulmonary circulation, Systemic circulation</li> <li>❑ Hemodynamics and electro physiology of heart.</li> <li>❑ Bio-chemistry of blood in relation to cardio pulmonary function.</li> </ul>
IV	20	<p><b><u>Assessment and Diagnostic Measures</u></b></p> <ul style="list-style-type: none"> <li>• Radiologic examination of the chest: <ul style="list-style-type: none"> <li>• interpretation, chest film findings</li> </ul> </li> <li>• Electro cardiography (ECG): electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiography determination <ul style="list-style-type: none"> <li>-EGC changes in: intraventricular conduction abnormalities Arrhythmias, ischemia and Infarction, atrial and ventricular enlargement, electrolyte imbalance.</li> </ul> </li> <li>• Echocardiography: echocardiography of cardiac structures in health and disease, newer techniques – indication, procedure, normal and deviation</li> </ul>
		<ul style="list-style-type: none"> <li>• Nuclear and other imaging studies of the heart: Magnetic Resonance Imaging</li> <li>• Stress test (TMT): indications and objectives, safety and pre intra and post care</li> <li>• Cardio electrophysiology procedures : diagnostic studies, interventional and catheter ablation, nursing care</li> <li>• Cardiac catheterization: indications, contraindications, preparation, procedure, interpretation of data, After care spirometry, Blood gases analysis, X-Ray chest electrophysiology procedures : diagnostic studies, interventional and catheter ablation, nursing care</li> <li>• Pulmonary function test : Bronchoscope and graphies.</li> <li>• Interpretation of diagnostic measures</li> <li>• Nurse’s role in diagnostic test</li> <li>❑ Blood test: Blood specimen collection, Cardiac markers, Blood lipids, Hematologic studies, Blood cultures, Coagulation studies, Arterial blood gases, Blood Chemistries, cardiac enzyme studies, Serum Concentration of Selected drugs.</li> <li>❑ Interpretation and role of nurse</li> </ul> <p>Heart rate variability Mechanisms, measurements, pattern, factors, impact of intervention HRV.</p>
V	10	<p><b>Congenital Heart Diseases,</b></p> <ul style="list-style-type: none"> <li>❑ Etiology, clinical manifestations, diagnosis, prognosis related pathophysiology and nursing management of : <ul style="list-style-type: none"> <li>• Embryological development of heart.</li> <li>• Classification – cyanotic and acyanotic heart disease.</li> <li>• Tetralogy of Fallots.</li> <li>• Atrial Septal Defect, Ventricular Septal Defect., Eisenmenger’s complex.</li> <li>• Patent ductus arteriosus, AP window</li> <li>• Truncus Arteriosus</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Transposition of great arteries.</li> <li>• Total Anomaly of Pulmonary Venous Connection.</li> <li>• Pulmonary stenosis, atresia.</li> <li>• Coarctation of aorta</li> <li>• Ebstein's anomaly</li> </ul> <p>Double outlet right ventricle, Single ventricle, Hypoplastic left heart syndrome.</p>
--	---

Unit	Hrs	Content
<b>VI</b>	<b>25</b>	<p><b>Cardiac disorders and nursing management:</b></p> <ul style="list-style-type: none"> <li>□ Etiology, clinical manifestations, diagnosis, prognosis related pathophysiology, complications Rehabilitation drugs specific Diet specific and nursing management of: <ul style="list-style-type: none"> <li>• Ischaemic – heart disease Angina pectoris, Coronary artery disease myocardial Infarction</li> <li>• Inflammatory Heart diseases Endocarditis, Myocarditis, Pericarditis</li> <li>• Heart failure Acute, chronic, CCF</li> <li>• Rheumatic heart disease and other Valvular Diseases</li> <li>• Cardiomyopathy, dilated, restrictive hypertrophic, Cardiomegaly</li> <li>• Arrhythmias</li> <li>• Heart block</li> <li>• Cardiac emergencies</li> <li>• Angina of various types</li> </ul> </li> </ul> <p>Associated illnesses</p>
<b>VII</b>	<b>10</b>	<p><b>Altered pulmonary conditions:</b></p> <ul style="list-style-type: none"> <li>□ Etiology, clinical manifestations, diagnosis, prognosis related pathophysiology, Complications, Preventive measures, Rehabilitation, Patient education, Drugs specific, Diet specific and nursing management of: <ul style="list-style-type: none"> <li>• Bronchitis</li> <li>• Bronchial asthma</li> <li>• Bronchiectasis</li> <li>• Pneumonias</li> <li>• Lung abscess, lung tumour</li> <li>• Pulmonary tuberculosis, fibrosis, pneumoconiosis etc</li> <li>• Pleuritis, effusion</li> <li>• Pneumo, haemo and pyothorax</li> <li>• Interstitial Lung Disease</li> <li>• Acute and Chronic obstructive pulmonary disease (conditions leading to)</li> <li>• Cor pulmonale Acute respiratory distress syndrome Pulmonary embolism</li> </ul> </li> </ul> <p>Pulmonary Hypertension</p>

Unit	Hrs	Content
VIII	10	<p><b>Vascular disorders and nursing management</b></p> <ul style="list-style-type: none"> <li>□ Etiology, clinical manifestations, diagnosis, prognosis related pathophysiology and nursing management of : <ul style="list-style-type: none"> <li>• Disorders of arteries</li> <li>• Disorders of the aorta</li> <li>• Aortic Aneurysms,</li> <li>• Aortic dissection</li> <li>• Raynaud’s phenomenon</li> <li>• Peripheral arterial disease of the lower extremities</li> <li>• Venous thrombosis</li> <li>• Peripheral arterial disease of the lower extremities</li> <li>• Venous thrombosis</li> <li>• Varicose veins</li> <li>• Chronic venous insufficiency and venous leg ulcers</li> <li>• Pulmonary embolism</li> </ul> </li> </ul>
IX	10	<p><b>Cardio thoracic emergency interventions</b></p> <ul style="list-style-type: none"> <li>□ CPR- BLS and ALS</li> <li>□ Use of ventilator, defibrillator, pacemaker</li> <li>□ Post resuscitation care</li> <li>□ Care of the critically ill patients</li> <li>□ Psychosocial and spiritual of critically ill</li> <li>□ Stress management; ICU psychosis</li> </ul>
X	10	<p><b>Nursing Care of a patient with obstructive airway</b></p> <ul style="list-style-type: none"> <li>□ Assessment</li> <li>□ Use of artificial airway</li> <li>□ Endotracheal intubation, tracheostomy and its care</li> <li>□ Complication, minimum cuff leak, securing tubes</li> </ul> <p><b>Oxygen delivery systems.</b></p> <ul style="list-style-type: none"> <li>□ Nasal Cannula</li> <li>□ Oxygen mask, Venturi mask</li> <li>□ Partial rebreathing bag</li> <li>□ Bi-PAP and C-PAP masks</li> <li>□ Uses, advantages, disadvantages, nursing implications of each.</li> </ul> <p><b>Mechanical Ventilation</b></p> <ul style="list-style-type: none"> <li>□ Principles of mechanical ventilation</li> <li>□ Types of mechanical ventilation and ventilators.</li> <li>□ Modes of ventilation, advantages, disadvantages, complications.</li> <li>□ PEEP therapy, indications, physiology and complications. Weaning off the ventilator.</li> </ul> <p>Nursing assessment and interventions of on ventilator patient.</p>
XI	10	<p><b>Pharmacology therapeutic to CVT condition</b></p> <ul style="list-style-type: none"> <li>□ Pharmacokinetics</li> <li>□ Analgesics / Anti inflammatory agents</li> <li>□ Antibiotics, antiseptics</li> <li>□ Drug reaction &amp; toxicity</li> <li>□ Drug used in cardiac emergencies</li> <li>□ Blood and blood components <ul style="list-style-type: none"> <li>• Antithrombolytic agents</li> <li>• Inotropic agents</li> <li>• Beta-blocking agents</li> <li>• Calcium channel blockers.</li> <li>• Vaso constrictors</li> <li>• Vaso dilators</li> <li>• ACE inhibitors.</li> <li>• Anticoagulents</li> <li>• Antiarrhythmic drugs.</li> <li>• Anti hypertensives</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>• Diuretics</li> <li>• Sedatives and tranquilizers.</li> <li>• Digitalis</li> <li>• Antilipemics</li> </ul> <input type="checkbox"/> Principles of drug administration, role and responsibilities of nurses and care of drugs
<b>XII</b>	<b>20</b>	<b>Nursing Care of patient undergoing cardio thoracic surgery</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Indications, selection of patient</li> <li><input type="checkbox"/> Preoperative assessment and preparation; counselling</li> <li><input type="checkbox"/> Intraoperative care: Principles of open heart surgery, equipment, anaesthesia, cardiopulmonary by pass.</li> <li><input type="checkbox"/> Surgical procedures for Coronary Artery Bypass Grafting, recent advances and types of grafts, angioplasty, Valve replacement or reconstruction, cardiac transplant, Palliative surgery and different Stents, vascular surgery, other recent advances.</li> <li><input type="checkbox"/> Thoracic surgery: lobectomy, pneumonectomy, tumour excision etc</li> <li><input type="checkbox"/> Immediate postoperative care: assessment, post operative problems and interventions: Bleeding, Cardiac tamponade, Low cardiac output, Infraction, Pericardial effusion, Pleural effusion, Pneumothorax, Haemothorax, Coagulopathy, Thermal imbalance, Inadequate., ventilation/ perfusion, Neurological problems, renal problems, Psychological problems.</li> </ul>
		<ul style="list-style-type: none"> <li><input type="checkbox"/> Chest physiotherapy</li> <li><input type="checkbox"/> Nursing interventions, complimentary therapy/ alternative systems of medicine.</li> <li><input type="checkbox"/> Intermediate and late post operative care after CABG, valve surgery, others.</li> </ul> <p>Follow up care</p>
<b>XIII</b>	<b>5</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Cardiac rehabilitation and preventive measures</li> <li><input type="checkbox"/> Process</li> <li><input type="checkbox"/> Physical evaluation</li> <li><input type="checkbox"/> Physical conditioning for cardiovascular efficiency through exercise</li> <li><input type="checkbox"/> Counseling</li> <li><input type="checkbox"/> Follow up care</li> <li><input type="checkbox"/> Preventive Measures</li> </ul>
	<b>5</b>	<b>Intensive Coronary Care Unit/intensive cardio thoracic unit:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Quality assurance <ul style="list-style-type: none"> <li>• Standards, Policies, Procedure protocol</li> <li>• Infection control; Standard safety measures</li> <li>• Nursing audit</li> <li>• Design of ICCU/ IRCU</li> <li>• Staffing; cardiac team (Respiratory team)</li> <li>• Burn out syndrome</li> </ul> </li> <li><input type="checkbox"/> Nurse's role in the management of I.C.C.U. and IRCU</li> <li><input type="checkbox"/> Mobile coronary care unity</li> <li><input type="checkbox"/> Planning inservice educational programme and teaching</li> </ul>

#### 4. PRACTICAL

Clinical practice in medical surgical cardio thoracic wards, intensive care units, cardio thoracic OPD, community preventive cardiology and operation theatres.

##### I. Practicals

**Total – 960 Hours**  
**1. 1 Weeks = 30 Hours**  
6 hrs per day x 5 days

SN	Deptt/ Unit	No. of Week	Total Hours
1	Cardio thoracic - Medical	4	120 Hours
	- Surgical	4	120 Hours
2	OTs (Cardiac and thoracic)	4	120 Hours
3	Casualty	2	60 Hours
4	Diagnostic labs including cath lab	2	60 Hours
5	ICCU	4	120 Hours
6	ICU	4	120 Hours
7	CCU	4	120 Hours
8	Paediatric Intensive	2	60 Hours
9	OPD	2	60 Hours
	<b>Total</b>	<b>32 Weeks</b>	<b>960 Hours</b>

5.

##### 6. Essential Nursing Skills

##### 7. Procedures Observed

1. Echo Cardiogram
2. Ultrasound
3. Monitoring JVP, CVP
4. CT SCAN
5. MRI
6. Pet SCAN
7. Angiography
8. Cardiac cathetrisation
9. Angioplasty
10. Various Surgeries
11. Any other

##### I. Procedures Assisted

1. Arterial blood gas analysis
2. Thoracentesis
3. Lung biopsy
4. Computer assisted tomography (CAT Scan)
5. M.R.I.
6. Pulmonary angiography
7. Bronchoscopy
8. Pulmonary function test
9. ET tube insertion
10. Tracheostomy tube insertion
11. Cardiac catheterization
12. Angiogram
13. Defibrillation
14. Treadmill test
15. Echo cardiography
16. Doppler ultrasound
17. Cardiac Surgery
18. Insertion of chest tube
19. CVP Monitoring

20. Measuring pulmonary artery pressure by Swan-Ganz Catheter
21. Cardiac Pacing

## **II. Procedures Performed**

1. Preparation of assessment tool for CT client (Cardiac, thoracic and vascular).
2. ECG – Recording, Reading, Identification of abnormalities
3. Oxygen therapy –
  - Cylinder, central supply
  - Catheter, nasal canula, mask, tent
  - Through ET and Tracheostomy tube
  - Manual resuscitation bag
4. Mechanical ventilation
5. Spirometry
6. Tuberculin skin test
7. Aerosol therapy
8. Nebulizer therapy
9. Water seal drainage
10. Chest physiotherapy including – Breathing Exercise  
Coughing Exercises
11. Suctioning – Oropharyngeal, nasotracheal, Endotracheal  
Through tracheostomy tube
12. Artificial airway cuff maintenance
13. CPR
14. Care of client on ventilator
15. Identification of different – Arrhythmias  
Abnormal pulses, respirations  
B.P. Variation  
Heart sounds  
Breath sounds
16. Pulse oxymetry
17. Insertion
18. Bolus I.V. Injection
19. Life line
20. Maintenance of “Heplock”
21. Subcutaneous of Heparin
22. Obtaining leg measurements to detect early swelling in thrombophlebitis
23. Identification of Homans signs
24. Buerger – Allen exercises
25. Hemodynamic monitoring
26. Recording Flow sheet in ICCU, ICTU

## 8. Teaching Learning Activities

Teaching Methods	Clinical Experience
<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Group Discussion</li> <li>• Interpersonal relationship studies</li> <li>• Demonstration of nursing procedures</li> <li>• Case presentation/ case studies</li> <li>• Seminars</li> <li>• Case conferences</li> <li>• Field trip (specialty Hospitals)</li> </ul>	<ul style="list-style-type: none"> <li>• Case Assignment</li> <li>• Establishing interpersonal relationship</li> <li>• Communication technique</li> <li>• History taking physical examination participation in case conference</li> <li>• Case presentations</li> <li>• Involvement in health education</li> <li>• Recreational and occupational therapy</li> <li>• Assisting in diagnostic procedures</li> <li>• Learns to take decisions according to priority needs</li> <li>• Write specific nursing care plan</li> <li>• Field trip to specialty hospitals.</li> </ul>

9. Evaluation Criteria:	Internal	Theory
	Unit Tests (2)	75
	Mid Term	50
	Pre Term	75
	<b>Total :</b>	<b>200</b>

### Practical Experience Assignments

Case study	:	02	(50 marks each)	50 x 2 =	100
Case Presentation	:	02	(50 marks each)	50 x 2 =	100
Care Plan	:	03	(50 marks each)	50 x 3 =	150
Clinical Performance Evaluation:		03	(100 marks each)	100 x 3 =	300
Practical Examination			Mid Term		50
			Pre Term		100
					<hr/> 800

Internal Assessment Total marks out of 100

External Assessment Total marks out of 100

### **Final Examinations :**

<u>Theory</u>	
Internal	: 25
External	: 75
<b>Total</b>	<b>: 100</b>
<hr/>	
<u>Practical</u>	
Internal	: 100
External	: 100
<b>Total</b>	<b>: 200</b>
<hr/>	



## M.Sc. NURSING : CLINICAL SPECIALITY – II

### PROFORMA & GUIDELINE FOR CASE STUDY

**Area :- (Maximum Marks – 50)**

01. Selection of patient.
02. Demographic data of the patient.
03. Medical history past and present illness.
04. Comparison of the patient's disease with book picture.
  - a) Anatomy and physiology.
  - b) Etiology.
  - c) Patho physiology.
  - d) Signs and symptoms.
  - e) Diagnosis - provisional & final
  - f) Investigations
  - g) Complications & prognosis.
05. Management:- Medical or Surgical
  - a) Aims and objectives.
  - b) Drugs and Medications.
  - c) Diet.
06. Nursing Management (Nursing Process approach)
  - a) Aims and objectives.
  - b) Assessment and specific observations.
  - c) Nursing diagnosis.
  - d) Nursing care plan (Short term & long term with rationale.)
  - e) Implementation of nursing care with priority.
  - f) Health teaching.
  - g) Day to day progress report & evaluation.
  - h) Discharge planning.
07. Drug Study.
08. Research evidence.
09. Summary and conclusion.
10. Bibliography.

## EVALUATION CRITERIA FOR CASE STUDY.

		(Maximum Marks – 50)		
SN	Criteria	Marks allotted.	Marks obtained	Total
01.	Assessment	5		
02.	theoretical knowledge about disease	5		
03.	Comparative study of the patient's disease & book picture.	10		
04.	Management: Medical or Surgical.	5		
05.	Nursing Process.	15		
06.	Drug study.	3		
07.	Summary & conclusion including research evidence.	5		
08.	Bibliography.	2		
<hr/>				
	Total	50		

Signature of Student

Signature of Clinical supervisor



**2. EVALUATION CRITERIA FOR CASE PRESENTATION**  
Maximum Marks – 50)

SN	Criteria	Marks Allotted	Marks Obtained	Total
1	Content Subjective & objective data.	08		
2	Problems & need Identified & Nsg. Care Plan	15		
3	Effectiveness of presentation	5		
4	Co-relation with patient & Book i. e. research evidence.	10		
5	Use of A. V. Aids	5		
6	Physical arrangement	2		
7	Group participation	3		
8	Bibliography & references	2		
	Total	50		

**3. CLINICAL EVALUATION: COMPREHENSIVE NURSING CARE**  
(Maximum Marks – 100 each)

Name of the Student

Year: II Year M.Sc Nursing

Duration of Experience:

S N	Criteria	1	2	3	4	5
I	<p><b>UNDERSTANDING OF PATIENT AS PERSON</b>                      1. Rapport with patient/ family members.                      2. Collects significant information</p> <p>1. Knowledge about disease condition.                      2. Knowledge about investigations.                      3. Knowledge about treatment.                      4. Knowledge about progress of the patient.</p>					
II	<p><b>NURSING CARE PLAN</b>  <b>A. Assessment of the condition of the patient.</b>                      1. History taking – past &amp; present health and illness.                      2. Specific observation of the patient.                      3. Nursing diagnosis.  <b>B. Development of the short – term &amp; long term Nursing care plans.</b>                      1. Identification of all problems in the patient/ family.                      2. Prioritization &amp; implementation of the plans.                      3. Evaluation of the care given &amp; replanning</p>					
III	<p><b>TECHNICAL SKILL</b>                      1. Economical &amp; safe adaptation to the situation &amp; available facilities.                      2. Implements the procedure with skill speed &amp; completeness.</p>					
IV	<p><b>RECORDING &amp; REPORTING</b>                      1. Prompt, precise, accurate &amp; relevant.                      2. Maintenance of clinical experience file.</p>					
V	<p><b>HEALTH TEACHING</b>                      1. Incidental/ planned teaching with principles of teaching &amp; learning.                      2. Uses visual aids appropriately</p>					
VI	<p><b>PERSONALITY</b>                      1. Professional appearance (uniform, dignity, tact fullness interpersonal relationship, punctuality etc.                      2. Sincerely, honesty &amp; Sense of responsibility.</p>					
	<b>TOTAL MARKS</b>					

Positive & Negative aspects.

**10. Signature of Student**

**Signature of Clinical supervisor**

## BIBLIOGRAPHY

### 11. Anatomy & Physiology

1. Gerard J. Tortora, Principles of Anatomy and Physiology, 11<sup>th</sup> edition, 2006, published by John Wiley and sons, United States of America
2. Ross and Wilson, Anatomy and Physiology in Health and Illness, 9<sup>th</sup> edition, 2001, Elsevier Churchill Livingstone, Philadelphia
3. Gray Thibodkar, Textbook of Anatomy and Physiology, 12<sup>th</sup> edition, published by Elsevier, India, 2003
4. Waugh, Anne (2003), “ Ross & Wilson’s Anatomy & Physiology in health & illness” 10<sup>th</sup> ed., Churchill Livingstone.
5. Anthony & Thibodcon (2000), “Anatomy & Physiology for nurses” 11<sup>th</sup> ed., C.V. Mosby Co., London.
6. Greig, Rhind, “ Riddle’s Anatomy & Physiology’”, 7<sup>th</sup> ed., Churchill Livingstone.
7. Singh, I. B. (2005), “Anatomy & Physiology for nurses”, 1<sup>st</sup> ed., Jaypee.
8. Tortora, (2003), “Principles of Anatomy & Physiology,” 10<sup>th</sup> ed., Wiley inter.
9. Chaurasia, B.D. (2004), “Human Anatomy”, 4<sup>th</sup> ed., CBS publishers.
10. Sembulingam, “Essentials of Medical Physiology,” 3<sup>rd</sup> Edition 2004 J.P. Publications.
11. T Clenister and Jean Rosy (1974). “Anatomy and Physiology for Nurses” 2<sup>nd</sup> Edition, William Hernmarni Medical BK. Ltd.
12. Ganong. F. William, “Review of Medical Physiology”, 15<sup>th</sup> Edition, Prentice Hall International Inc., Appleton and Lange.
13. Guyton and Hall, “Textbook of Medical Physiology,” 9<sup>th</sup> Edition, A Prism2. Indian Edn. Pvt. Ltd.

### 12. Medical Surgical

1. Brunner and Suddarth’s, Text Book of Medical Surgical Nursing, 9<sup>th</sup> edition, 2005, Lippincott Raven Publishers.
2. John Luckmann, Medical Surgical Nursing, 3<sup>rd</sup> edition, 1987, Saunders Company, Philadelphia, London
3. Jayce M. Black, Jane Hokanson Hawks, Medical Surgical Nursing- Clinical Mangement for positive outcomes, 7<sup>th</sup> edition, 2005, Elsevier, India.
4. Brunner S. B., Suddarth D. S., The Lippincott Manual of Nursing practice J. B. Lippincott. Philadelphia.
5. Medical Surgical Nursing: an integrated approach, White, L, Delmar Thomson learning (2002) 2<sup>nd</sup> ed, United States
6. Lewis, Heitkemper & Dirksen Medical Surgical Nursing Assessment and Management of Clinical Problem (6<sup>th</sup> ed) (2000) Mosby.
7. Colmer R. M., Moroney’s Surgery for Nurses (16<sup>th</sup> ed) (1995) ELBS.
8. Shah N. S., A P I textbook of Medicine, The Association of Physicians of India Mumbai (2003).
9. Satoskar R. S., Bhandarkar S. D. & Rege N. N., Pharmacology and Pharmacotherapeutics, 19<sup>th</sup> ed, 2003 Popular Prakashan, Mumbai.
10. Phipps W.J., Long C. B. & Wood N. F., Shaffer’s Medical Surgical Nursing B. T. Publication Pvt. Ltd. (2001) New Delhi.
11. Datta T. K. fundamentals of Operation Theatre Services, Paypee, (2003), New Delhi.
12. Maheswari J , Essentials of Orthopedics (3<sup>rd</sup> ed) Mehta Publication, New Delhi.

13. Pasricha J. S., Gupta R., Illustrated Text book of Dermatology , 2<sup>nd</sup> ed, 2001 Jaypee brothers New Delhi.
14. Haslett C., Chilvers E. R., Hunder J.A.A. & Boon, N. A. Davidson's Principles and Practice of Medicine, 18<sup>th</sup> ed, (1999) Churchill living stone. Edinburgh.
15. Walsh M., Watson's Clinical Nursing and Related Sciences, 6<sup>th</sup> ed, (2002) Bailliere Tindall Edinburgh.
16. Mmedical Surgical Nursing: A Nursing process approach Col. I & II, Ignatacicius, Donna and Workman, Linda, W. B. Saunders company, Philadelphia , 1995
17. Nettina, Sandra, Lippincott Williams & Wilkins, The Lippincott Manuel of Nursing practice, 7<sup>th</sup> ed, 2001, Philadelphia

Name of College

### EVALUATION OF SEMINARS

Date : \_\_\_\_\_

Name of the Student Nurse:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Subject:

Topic:

Grade Given:

Name of evaluator :

S.N.	BASIC OF EVALUATION	5	4	3	2	1	REMARK
I	<b>Knowledge of subject matter</b> a. Organisation of subject matter b. Classification of ideas with appropriate and interesting examples c. Depth and mastery of subject matter d. Anticipated question and has prepared for answer e. Selection and organisation of A. V. aids f. Integration and co-relation with other subjects. g. Submitted in time for correction						
II	<b>Oragnisation and management of class</b> a. Budgeting of time b. Asked questions for classification c. Class room participation						
III	<b>Effectiveness of Seminar</b> a. Introduction of topic b. Ability to hold students attention c. Stimulate student participation						
IV	<b>Effectiveness of Seminar</b> a. Questioning clear and stimulating b. Maintaining learning atmosphere c. Use of black board						
V	<b>Personal appearance</b> a. Neatness and Professional appearance b. Degree of self confidence c. Language (Appropriate correct, clear, tone mannerism) d. Punctuality (Starting lesson, completing lesson)						
	<b>Total Hours out of 100</b>						

Evaluator's Comments:

Signature of the Student



Name of the College

## NURSING CARE PLAN EVALUATION

### i. B Sc Nursing Course

Name of the Student:

Year & Batch:

Name of the Patient:

Age:

Sex:

M.R.D. No. :

Ward No.

Bed No.

Area of Study : Medical/ Surgical/ Psychiatric

Diagnosis

Name of the Surgery

Date of Surgery

Date of Nursing Care given: From \_\_\_\_\_ To \_\_\_\_\_

SN.	Details	Total Marks	Marks Obtained
1	Assessment	12	
2	Nursing Diagnosis	3	
3	Goal	2	
4	Outcome Criteria / Objectives	2	
5	Nursing Intervention	15	
6	Rationale	3	
7	Evaluation	3	
8	Nurses notes/ Progress report of the patient	10	
<b>Total</b>		<b>50</b>	

Remarks:

Teacher's Sign:

Student's Sign

Teacher's Name:

Date: