

Clinical Speciality – II  
**MEDICAL SURGICAL NURSING –  
GASTRO ENTEROLOGY NURSING**

Placement : II Year

Hours of instruction  
Theory : 150 hrs.  
Practical : 950 hrs.  
Total : 1100 hrs.

**Course Description**

This course is designed to assist students in developing expertise and in depth understanding in the field of gastro enterology Nursing .It will help students to develop advanced skills for nursing intervention in various gastro enterology conditions. It will enable the student to function as gastro further enable the student to function as educator ,manager and researcher in the field of gastro enterology nursing .

**Objectives**

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

1. Appreciate trends and issues related to gastro enterology nursing .
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of gastrointestinal conditions.
3. Participate in national health programs for health promotion ,prevention and rehabilitation of patients with gastrointestinal conditions.
4. Perform physical ,psychosocial & spiritual assessment.
5. Assist in various diagnostic ,therapeutic and surgical procedures.
6. Provide comprehensive care to patients with gastrointestinal conditions.
7. Describe the various drugs used in gastrointestinal conditions and nurses responsibility.
8. Demonstrate skill in handling various equipments / gadgets used for patients with gastrointestinal conditions.
9. Appreciate team work & coordinate activities related to patients care.
10. Practice infection control measures.
11. Identify emergencies and complications & take appropriate measures.
12. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs.
13. Discuss the legal and ethical issue in GE nursing.
14. Identify the sources of stress and manage burnout syndrome among health care providers.
15. Appreciate the role of alternative system of medicine in care of patients.
16. Incorporate evidence based nursing practice and identify the areas of research in the field of gastrointestinal nursing.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of Gastro enterology intensive care unit (GEICU), liver care / transplant unit.

## Course Content

Unit	Hours	Content
I	5	<p><b>Introduction.</b></p> <ul style="list-style-type: none"> <li>• Historical development: trends and issues in the field of gastro enterology .</li> <li>• Gastro enterological problems.</li> <li>• Concepts, principles and nursing perspective.</li> <li>• Ethical and legal issues.</li> <li>• Evidence based nursing and its application in gastrointestinal nursing (to be incorporated in all the units)</li> </ul>
II	5	<p><b>Epidemiology.</b></p> <ul style="list-style-type: none"> <li>• Risk factors associated with GE conditions Hereditary , Psychosocial factors ,smoking ,alcoholism ,dietary habits ,cultural and ethnic considerations.</li> <li>• Health promotion ,disease prevention ,life style modification and its implications to nursing.</li> <li>• National health programmes related to gastro enterology.</li> <li>• Alternate system of medicine / complementary therapies.</li> </ul>
III	5	<p><b>Review of anatomy and physiology of gastrointestinal system.</b></p> <ul style="list-style-type: none"> <li>• Gastrointestinal system.</li> <li>• Liver, biliary and pancreas.</li> <li>• Gerontologic considerations.</li> <li>• Embryology of GI system.</li> <li>• Immunology specific to GI system.</li> </ul>
IV	15	<p><b>Assessment and diagnostic measures.</b></p> <ul style="list-style-type: none"> <li>• History taking.</li> <li>• Physical assessment, psychosocial assessment.</li> <li>• Diagnostic tests               <ul style="list-style-type: none"> <li>➤ Radiological studies : Upper GIT – barium swallow ,lower GIT – Barrium enema.</li> <li>➤ Ultra sound.</li> <li>➤ Computed tomography .</li> <li>➤ MRI.</li> <li>➤ Cholangiography : Percutaneous transheptic Cholangiogram(PTC).</li> <li>➤ Magnetic Resonance Cholangio pancreotography (MRCP)</li> <li>➤ Nuclear imaging scans (scintigraphy)</li> <li>➤ Endoscopy.</li> <li>➤ Colonoscopy.</li> <li>➤ Proctosigmoidoscopy.</li> <li>➤ Endoscopic Retrograde Cholongio pancreotography (ERCP)</li> <li>➤ Endoscopic ultrasound.</li> <li>➤ Peritonoscopy (Laproscopy).</li> <li>➤ Gastric emptying studies.</li> </ul> </li> </ul>

Unit	Hours	Content
		<ul style="list-style-type: none"> <li>➤ Blood chemistries : Serum amylase, serum lipase .</li> <li>➤ Liver biopsy.</li> <li>➤ Miscellaneous tests : Gastric analysis ,fecal analysis.</li> <li>➤ Liver function tests : Bile formation and excretion ,dye excretion test ,Protein metabolism ,haemstatic function – prothrombin vitamin K production ,serum enzyme ,Lipid metabolism – serum cholesterol.</li> </ul> <p>Interpretation of diagnostic measures. Nurse's role in diagnostic tests.</p>
V	25	<p><b>Gastro intestinal disorders and nursing management</b></p> <ul style="list-style-type: none"> <li>• Etiology ,clinical manifestations ,diagnosis ,pronosis ,related pathophysiology ,medical surgical and nursing mamagement of : <ul style="list-style-type: none"> <li>➤ Disorder of the mouth : Dental caries ,Peridontal disease ,Acute tooth infection ,Stomatitis ,Thrush (moniliasis) ,Gingivitis, Leukoplakia ,Inflammation of the parotid gland ,Obstruction to the flow of saliva ,Fracture of the jaw .</li> <li>➤ Disorders of the oesophagus : Reflux oesophagitis ,Oesophageal achalasia ,Oesoophageal varices , Hiatus hernia , Diverticulum.</li> <li>➤ Disorders of the stomach and duodenum : Gastritis ,Peptic ulcer ,Dumping of the stomach ,Food poisoning ,Ideopathic gastroparesis , Aerophagia and belching syndrome ,Ideopathic cyclic nausea and vomiting ,Rumination syndrome ,Functional dyspepsia ,Chronic Non specific (functional) abdominal pain.</li> <li>➤ Disorder of the small intestine: <ul style="list-style-type: none"> <li>❖ Malabsorption syndrome – tropical sprue.</li> <li>❖ Gluten – sensitive enterpathy (Coeliac Disease)</li> <li>❖ Inflammatory disease of intestines and abdomen, appendicitis ,Peritonities ,Intestinal obstruction, Abdominal TB ,Gastrointestinal polysosis syndrome</li> <li>❖ Chronic inflammatory bowel disease ,Ulcerative colites crohn's disease.</li> <li>❖ Infestations and infection – Worm infestations ,Typhoid, Leptospirosis.</li> <li>❖ Solitary rectal ulcer syndrome.</li> <li>❖ Alternation in bowel elimination (diarrhoea , constipation , fecal impaction fecal incontinence , Irritable bowel syndrome ,Chronic idiopathic constipation ,Functional diarrhea)</li> </ul> </li> </ul> </li> </ul> <p><b>Anorectal Conditionas</b> : Hemorrhoids ,Anal fissure ,Anal fistula, Abscess ,Strctures ,Rectal prolapse ,Pruritis ani ,Pelonidal disease , Anal condylomas ,Warts.</p>

Unit	Hours	Content
VI	15	<p><b>Disorder of liver , pancreases gall bladder and nursing management.</b></p> <ul style="list-style-type: none"> <li>• Disorders of liver biliary tract.</li> <li>• Viral Hepatitis – A ,B ,C ,D &amp; E</li> <li>• Toxic hepatitis. <ul style="list-style-type: none"> <li>➤ Cirrhosis of liver ,liver failure ,Liver transplantation.</li> <li>➤ Non cirrhotic portal fibrosis.</li> <li>➤ Liver abscess.</li> <li>➤ Parasitic and other cysts of the liver.</li> <li>➤ Disorders of the Gall Bladder and Bile Duct :</li> </ul> </li> <li>• Cholecystitis.</li> <li>• Choletitheasis.</li> <li>• Choledocholilethiasis.</li> <li>• Disorders of the pancreas : Pancreatitis.</li> <li>• Benign tumors of islet cells.</li> <li>• Disorders of the Peritoneum. <ul style="list-style-type: none"> <li>➤ Infections of the peritoneum.</li> </ul> </li> <li>• Surgical peritonitis.</li> <li>• Spontaneous bacterial peritoneum.</li> <li>• Tuberculosis peritonitis.</li> <li>• Disorders of the Diaphragm. <ul style="list-style-type: none"> <li>➤ Diaphragmatic Hernia.</li> <li>➤ Congenital hernia.</li> <li>➤ Paralysis of diaphragm.</li> <li>➤ Tumors of the diaphragm.</li> </ul> </li> <li>• Hiccups.</li> </ul>
VII	15	<p><b>Gastro intestinal emergencies and nursing interventions.</b></p> <ul style="list-style-type: none"> <li>• Etiology ,clinical manifestations , diagnosis ,prognosis ,related pathophysiology ,medical ,surgical and nursing management of: <ul style="list-style-type: none"> <li>➤ Esophageal varices.</li> <li>➤ Ulcer perforation.</li> <li>➤ Acute Cholecystitis.</li> <li>➤ Diverticulitis.</li> <li>➤ Fulminant hepatic failure.</li> <li>➤ Biliary obstruction.</li> <li>➤ Bowel obstruction.</li> <li>➤ Gastroenteritis.</li> <li>➤ Intussusception.</li> <li>➤ Acute intestinal obstruction , perforation.</li> <li>➤ Acute pancreatitis.</li> <li>➤ Cirrhosis of liver complications.</li> <li>➤ Liver ,spleen , stomach pancreation ,mesenteric ,bowel and greater vessel injuries.</li> <li>➤ Acute appendicitis / peritonitis.</li> <li>➤ Acute abdomen.</li> </ul> </li> <li>➤ Food poisoning. <ul style="list-style-type: none"> <li>➤ Substance ingestion : Undesriable effect on G.I.Track.</li> </ul> </li> </ul>

Unit	Hours	Content
VIII	15	<ul style="list-style-type: none"> <li>• <b>Congenital Anomalies of Esophagus.</b> <ul style="list-style-type: none"> <li>➤ Esophageal atresia.</li> <li>➤ Tracheo esophageal fistula.</li> <li>➤ Esophageal stenosis</li> <li>➤ Dysphagia – Lusoria – aberrant right subclavian artery compressing esophagus.</li> <li>➤ Esophageal rings – schalzkiring.</li> <li>➤ Esophageal webs.</li> </ul> </li> <li>• <b>Congenital Anomalies of Stomach.</b> <ul style="list-style-type: none"> <li>➤ Gastric atresia.</li> <li>➤ Micro gastria.</li> <li>➤ Gastric diverticulum.</li> <li>➤ Gastric duplication.</li> <li>➤ Gastric teratoma.</li> <li>➤ Gastric volvulus.</li> <li>➤ Infantile hypertrophic pyloric stenosis.</li> <li>➤ Adult hypertrophic pyloric stenosis.</li> </ul> </li> <li>• <b>Congenital Anomalies of Duodenal.</b> <ul style="list-style-type: none"> <li>➤ Duodenal Atresia or stenosis.</li> <li>➤ Annular pancreas.</li> <li>➤ Duodenal duplication cysts.</li> <li>➤ Malrotation and mid gut volvulus.</li> </ul> </li> <li>• <b>Developmental anomalies of the intestine.</b> <ul style="list-style-type: none"> <li>➤ Abdominal wall defects (Omphalocele and Gastroschisis)</li> <li>➤ Meckel’s diverticulum.</li> <li>➤ Intestinal atresia.</li> </ul> </li> </ul>
		<ul style="list-style-type: none"> <li>• <b>Hirschsprung’s disease</b></li> </ul>
IX	15	<p><b>Pharmo Kinetics</b></p> <ul style="list-style-type: none"> <li>➤ Drugs used in GIT</li> <li>➤ Principles of administration</li> <li>➤ Roles responsibilities of nurses</li> <li>➤ Drugs in Peptic ulcer disease</li> <li>➤ Proton Pump inhibitors</li> <li>➤ H<sub>2</sub> Receptor Antagonists</li> <li>➤ Cytoprotective Agents :</li> <li>➤ Drugs used in Diarrhea</li> <li>➤ Drugs used in constipation</li> <li>➤ Drugs used in Inflammatory Bowel Disease</li> <li>➤ Aminosalicylates</li> <li>➤ Corticosteroids</li> <li>➤ Immunomodulators</li> <li>➤ Chemotherapy</li> <li>➤ Antibiotics</li> <li>➤ Antiemetics :</li> <li>➤ Anticholinergics</li> <li>➤ Antihistaminics</li> <li>➤ Anthelminthics</li> <li>➤ Vitamin Supplements</li> </ul>

<b>X</b>	<b>10</b>	<b>Nutrition and nutritional problems related to GI system</b> <ul style="list-style-type: none"> <li>• Nutritional assessment and nursing interventions</li> <li>• Therapeutic diets</li> <li>• Adverse reactions between drugs and various foods</li> <li>• Malnutrition – etiology, clinical manifestations and management</li> <li>• Tube feeding, parenteral nutrition, total parenteral nutrition</li> <li>• Obesity- etiology, clinical manifestations and management</li> <li>• Eating disorders- anorexia nervosa, bulimia nervosa</li> <li>• Recent advances in nutrition</li> </ul>
<b>XI</b>	<b>15</b>	<b>Malignant disorders of gastro intestinal system</b> <ul style="list-style-type: none"> <li>• Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical, other modalities and nursing management of : <ul style="list-style-type: none"> <li>▪ Malignancy of oral cavity, Lip, Tongue, buccal mucosa oropharynx, Salivary gland</li> <li>▪ Esophageal, Gastric, Carcinoma of bowel – Small bowel, Colorectal and Anal carcinoma,</li> <li>▪ Liver, biliary tract and Pancreatic carcinoma</li> </ul> </li> </ul>
<b>XII</b>	<b>5</b>	<b>Administration and management of GE unit</b> <ul style="list-style-type: none"> <li>• Design &amp; layout</li> <li>• Staffing,</li> <li>• Equipment, supplies,</li> <li>• Infection control ; Standard safety measures</li> <li>• Quality Assurance :- Nursing audit – records / reports, Norms, policies and protocols</li> <li>• Practice standards</li> </ul>
<b>XIII</b>	<b>5</b>	<b>Education and training in GE care</b> <ul style="list-style-type: none"> <li>• Staff orientation, training and development,</li> <li>• In- service education program, <ul style="list-style-type: none"> <li>▪ Clinical teaching programs</li> </ul> </li> </ul>

## PRACTICALS

**Total = 960 Hours**

**1 Week = 30 Hours**

<b>Sr.No</b>	<b>Dept / Unit</b>	<b>No. of Week</b>	<b>Total Hours</b>
1	Diagnostic labs	2	60 Hours
2	Emergency and casualty	3	90 Hours
3	Liver transplant unit	1	30 Hours
4	GE Medical Ward	6	180 Hours
5	GE Surgical Ward	8	240 Hours
6	OT	2	60 Hours
7	ICU	4	120 Hours
8	Pediatric gastroenterology	2	60 Hours
9	Oncology	2	60 Hours
10	GE OPD	2	60 Hours
	<b>Total</b>	<b>32 Weeks</b>	<b>960 Hours</b>

## Procedures Assisted

1. Endoscopy room – Upper G.I. Endoscopy (Diagnostic and therapeutic).
2. Sigmoidoscopy.
3. Colonoscopy.
4. Polypectomy.
5. Endoscopic retrograde Cholangio pancreatography (ERCP).
6. Liver biopsy.
7. Percutaneous catheter drainage (PCD) of Pseudocyst pancreas.
8. Abdominal paracentesis.
9. Percutaneous aspiration of liver abscess.
10. GE Lab : PT, HbsAg ,Markers – A , B , C virus , CBP ,ESR ,Stool Test.

## Procedures performed

1. History and Physical assessment.
2. RT intubation / extubation / aspiration / suction.
3. Gastric lavage and gavage.
4. Bowel wash.
5. Therapeutic. Diets.
6. Ostomy feeding – Esophagisty Gastrostomy and Jenunostony feeding
7. Stoma care.
8. Monitoring vital parameters.
9. Plan of in service education programme for nursing staff and class – IV employees.
10. Counseling.

## Visit

1. Ostomy clinic.
2. National Nutrition Institute.
3. Institute Manufacturing Commercial food products.
4. Whole sell market for grain and food storage.

## Internal Assessment:-

Test- (2 tests)

Mid term Examination - 50 marks theory + 50 practical

Pre final examination - 75 marks theory + 100 practical

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Total 125 marks + 150 marks

## 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 :

### Theory

Internal : 25

External : 75

**Total : 100**

### Practical

Internal : 100

External : 100

**Total : 200**

## 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
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	
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	Total	50	

Signature of Student

Signature of Clinical supervisor

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

## **PROFORMA & GUIDELINE FOR CASE PRESENTATION**

### **I] Patient Biodata**

**Name, Age, Sex, Religion, Marital status, Occupation, Source of health care, Date of admission, Provisional Diagnosis, Date of surgery if any.**

### **II] Presenting complaints**

Describe the complaints with which the child has been brought to the hospital

**III] Socio-economic status of the family:** Monthly income, expenditure on health, food, education etc.

### **IV] History of Illness (Medical & Surgical)**

- i) History of present illness – onset, symptoms, duration, precipitating/aggravating factors
- ii) History of past illness surgery, allergies, medications etc.
- iii) Family history – Family tree, history of illness in the family members, risk factors, congenital problems, psychological problems etc.

**V] Diagnosis:** (Provisional & confirmed).

**Description of disease:** Includes the followings

1. Definition.
2. Related anatomy and physiology
2. Etiology & risk factors
3. Path physiology
5. Clinical features.

### **VI] Physical Examination of Patient (Date & Time)**

Physical examination: with date and time.

Clinical features present in the book Present in the patient

### **VII] Investigations**

Date Investigation done Results Normal value Inferences

### **VIII] Management - (Medical /Surgical)**

- a) Aims of management
- b) Objectives of Nursing Care Plan

### **IX] Treatment:**

S.No

Drug (Pharmacological name)

Dose Frequency/ Time

Action Side effects & drug reaction

Nurse's responsibility

- Medical or Surgical Management.
- Nursing management

### **X] Nursing Care Plan: Short Term & Long Term plan.**

Assessment Nursing

Diagnosis

Objective Plan of

care

Rationale Implementation Evaluation

**XI] Discharge planning:**

**It should include health education and discharge planning given to the patient.**

**XII] Prognosis of the patient:**

**XIII] Summary of the case:**

**IVX] References:**

**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		

## CLINICAL EVALUATION: COMPREHENSIVE NURSING CARE

(Maximum Marks – 100 each area.)

Name of the Student \_\_\_\_\_

Year: II Year M.Sc Nursing \_\_\_\_\_

Duration of Experience: \_\_\_\_\_

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

Positive & Negative aspects.

Signature of Student \_\_\_\_\_

Signature of Clinical supervisor \_\_\_\_\_

Name of College  
**EVALUATION OF SEMINARS**

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

Name of the Student Nurse:

Date: Time:

Subject:

Topic:

Grade Given:

Name of evaluator :

SN.	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

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

S N	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:

**References:**

1. Janet Hicks Keen : Critical Care Nursing Consultant; Mosby, 1997
2. Kuruvilla Jaya: Essentials of Critical Care Nursing: Jaypee Brothers, Mumbai, 2007
3. Mervyn Singer: Oxford handbook of Critical care; 2<sup>nd</sup> ed., Oxford University Press, 2005.
4. M. S. Baird, Manual of Critical Care Nursing; 5<sup>th</sup> ed., Elsevier, 2005
5. P. G. Morton: Critical Care Nursing; 8<sup>th</sup> ed., Lippincott Williams and Wilkins, 2005
6. Sheree Comer: Delmar's Critical Care- Nursing Care plans; 2<sup>nd</sup> ed., Thomson, 2005

**Journals:-**

- 1.Critical Care Nursing : AACN
- 2.Critical Care Nursing Clinics

## Bibliography

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2. Sheree Comer Delumar's "Critical care NSG care plan" 2<sup>nd</sup> edition, 2005 Thomson .  
R.J.Vakil "Gastroenterology Dennis Kason".
3. Marvynsinger "Oxford Handbook of Critical Care" 2<sup>nd</sup> edition , 2005 Oxford University press . "M.S.Baird Manual of Critical Care" NSG 5<sup>th</sup> edition 2005 Elsevier.
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Jaya Kurvella "Essentials of Critical Care NSG Jaypee Brothers Number 2007.
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7. Davidson "Davidson's Principles and Practice of Medicine",20<sup>th</sup> edition ,Churchill Livingstone.
8. Dennis ,L.K "Harrison's Principles of Internal Medicine .Vol . – 2,16<sup>th</sup> edition , McGraw – Hill Medical Publishing.
9. Marion ,Paul "The I.C.U.Book" 3<sup>rd</sup> edition Lippincott Williams.
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11. Potter, P "Fundamentals of Nursing" 6<sup>th</sup> edition With CD – ROM, Mosby.
12. Potter, P "Basic Nursing : Essentials for Practice" 6<sup>th</sup> edition With CD – ROM, Mosby.
13. Joshi,Y.K."Basic of Clinical Nutrition" 1<sup>st</sup> edition, Jaypee Brothers Med.Publishers.
14. Black,J "Medical Surgical Nursing : Clinical Management for Positive outcomes", Vol – 1 ,7<sup>th</sup> edition , Saunders ,Elsevier.
15. Black,J "Medical Surgical Nursing : Clinical Management for Positive outcomes", Vol – 2 ,7<sup>th</sup> edition With CD - ROM, Saunders ,Elsevier.
16. Behram,R "Nelson Textbook of Pediatric" 17<sup>th</sup> edition ,Saunders.
17. Rang, H.P "Pharmacology" 5<sup>th</sup> edition ,Churchill Livingstone.
19. Smelter's "Brunner and Suddarths Textbook of Medical Surgical Nursing" 10<sup>th</sup> edition, With CD – ROM , Lippincott Williams.
19. White ,L.Duncan "Medical Surgical Nursing : An Integrated Approach ,2<sup>nd</sup> edition, Delmar.