

Second Year (Third Semester)B. Sc. Nursing

ACA/D/05

Subject: Medical Surgical Nursing.

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UNIT	TOPIC	No of lectures	Lecture Serial No
I INTRODUCTION 13 Hours	INTRODUCTION • Introduction to Medical Surgical Nursing Evaluation & trends of medical & surgical nursing	1	1
	• Review of concepts of health & illness, diseases concepts, its causes, Classification of diseases, International classification of Diseases	2	2-3
	-Acute, chronic, & terminal stages of illness	2	4-5
	- Review of concept of compressive	2	6-7
	Nursing care in medical Surgical Condition based on Nursing Process. Role of nurse patients & family in care of adult patients. •Role & responsibility of nurse in	1	8
	medical surgical settings: -Outpatient department -In patient department -Intensive care units -Home & community settings		
	• Introduction to medical sepsis	2	9-10
	-Inflammation and Infection - Stress adaptation - Hemorrhage - Nutritional consideration - immunity - Wound healing • Care of surgical patients. Preoperative, Intraoperative Postoperative		
	• Demonstrations	3	11-13

	-surgical asepsis -Dressings -Care of wound drainage -Preoperative preparation of Patient		
II Common sign and symptoms and management	Common sign and symptoms and management -Fluid & electrolyte imbalance	2	14-15
12 Hours	-Vomiting	1	16
	-Dyspnea and cough, respiratory difficulty and obstructions	1	17
	-Fever	1	18
	-Shock	2	19-20
	-Unconsciousness, syncope	1	21
	-Pain	2	22-23
	-Incontinence (bladder & bowl) & retention of urine - Constipation - Diarrhea -Edema	1	24
	-Age related problems-Geriatric Problem.	1	25
III Nursing management of patients (adults including elderly) with respiratory problems 20 Hours	Nursing management of patients (adults including elderly) with respiratory problems □□Review of Anatomy & Physiology of respiratory system. □□Nursing Assessment – History & Physical assessment	1	26
	□□Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities & Medical, surgical, Nutritional & nursing including elderly with:	2	27-28
	□□Upper Respiratory tract infections □□Bronchitis , Bronchiolitis □□Asthma	2	29-30
	□□Emphysema □□Empyema □□Atelectasis	2	31-32
	□□Chronic obstructive Pulmonary Diseases (COPD) □□Bronchiectasis □□Pneumonia	1	33
	□□Pulmonary tuberculosis	2	34-35

	☐☐Lung abscess		
	☐☐Pleural abscess, effusion	1	36
	☐☐Cysts & Tumors ☐☐Chest injuries	2	37-38
	☐☐Respiratory arrest, ARDS & insufficiency	1	39
	☐☐Pulmonary embolism Special therapies, alternative therapies Nursing Procedures Drugs used in treatment of respiratory disorders.	2	40-41
	☐☐Demonstrations - Respiratory assessment assisting in procedures of X ray chest, MRI, lung Biopsy, bronchoscop	2	42-43
	- Thoracocentesis, - care of patients with chest drainage & change of chest drainage- Care of patients on ventilators & weaning – nebulisation, -	2	44-45
IV Nursing management of patient (Adults including elderly) with disorders of Digestive system 30 Hours	Nursing management of patient (Adults including elderly) with disorders of Digestive system •Review of Anatomy & Physiology of digestive system • Nursing Assessment –history & physical assessment • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, Nutritional & nursing management	2	46-47
	Disorders of oral cavity •Oral cavity- Lips, gums, tongue, salivary and teeth,esophagus- inflammation, stricture,obstruction, bleeding & esophageal tumor.	3	48-50
	Stomach & Duodenum Hiatus hernia, gastritis, peptic & duodenal ulcer, bleeding, tumour pyloric stenosis	2	51-52
	Food allergy & poisoning • Small intestinal inflammation and infection - Ulcerative colitis, enteritis, malabsorbption syndrome, Obstruction, tumors perforation,	3	53-55
	•Large Intestinal disorders		

	-Colitis inflammations & infection, obstruction, Tumors, lump Hernia	2	56-57
	•Appendix Inflammation, mass, abscess, rupture •Anal & Rectum Fistulas, fissures, Hemorrhoids and tumour	2	58-59
	•Peritonitis/ acute abdominal • Pancreas; inflammation, cyst, abscess, tumours Abdominal trauma	2	60-61
	• Acute Abdomen to •Pancreas- Acute & chronic pancreatitis, abscess & tumors •Liver- Jaundice, hepatitis, cirrhosis, abscess, portal hypertension, hepatic failure and tumors	3	62-64
	•Biliary tract & gall bladder -Cholecystitis, cholelithiasis, tumors	2	65-66
	• Demonstrations -Preparing assessing & witnessing	1	67
	- Barium meal, enema, -Abdominal paracentesis,	1	68
	-Liver biopsy, -Endoscopies, ERCP, OGD,	1	69
	Colonoscopy, Proctoscopy, Sigmoidoscopy -Liver function test Gastric analysis, stomach wash - Gastrostomy feeding	1	70
	- Jejunostomy feeding - Bowel wash	1	71
	- Colostomy care □□Liver inflammation cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours,	2	72-73
	□□Gall Bladder, inflammation, Obstruction, Stones, & tumours Special Therapies, alternative therapies, nursing procedures, drug used in the treatment of disorders & diseases of digestive system	2	74-75
V Nursing management of	Nursing management of patient(adults including elderly) with blood	2	76-77

<p>patient(adults including elderly) with blood and cardiovascular problems</p> <p>30 Hours</p>	<p>and cardiovascular problems</p> <ul style="list-style-type: none"> • Review of Anatomy & Physiology of blood and cardiovascular system • Nursing Assessment –history & Physical assessment. • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities: medical, surgical, Nutritional & nursing management of: 		
	<ul style="list-style-type: none"> • Heart- -Coronary artery disease -Ischemic heart disease - Coronary atherosclerosis -Angina pectoris 	3	78-80
	<p>Myocardial infarction</p> <ul style="list-style-type: none"> -Congestive cardiac failure -Corpulmonale 	2	81-82
	<p>Pulmonary Odema</p> <ul style="list-style-type: none"> -Cardiogenic shock -Cardiac tamponade 	2	83-84
	<ul style="list-style-type: none"> - Endocarditis -Myocarditis -Pericarditis -Cardiomyopathies 	2	85-86
	<ul style="list-style-type: none"> • Valvular heart disease- -Congenital & acquired -Rheumatic heart disease -Mitral stenosis 	2	87-88
	<ul style="list-style-type: none"> • Conduction system -Cardiac dysarthmias & heart blocks □□Vascular systems Hypertension, hypotension Raynaud's disease 	2	89-90
	<p>Aneurism and Perpherial vascular disorders, Cardiogenic shock</p>	1	91
	<p>Cardiac arrest- ACLS, BLS</p> <ul style="list-style-type: none"> • Blood -Anaemias -Polycythemia 	2	92-93
	<p>Bleeding & coatings disorders</p> <ul style="list-style-type: none"> -Thrombocytopenia -Hemophilia -Thalassemia 	2	94-95

	-Leukemia -Leucopenia Agranulocytosis -Lymphomas & Myelomas	2	96-97
	• Blood bank functioning & Biosafety management related to blood transfusion	2	98-99
	-Role of nurse in organ donation, transplant, retrieval & banking Drugs used in cardiovascular system. Alternative therapies	3	100-102
	• Demonstration-ECG-3 & 12 lead, -Holter monitoring -2DEcho,Doppler	3	103-105
VI Nursing management of patient (Adults including elderly) with genito-urinary problems 10 Hours	Review of Anatomy & Physiology of genito-urinary systems • Nursing Assessment –history & physical assessment. • Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of	1	106
	-Nephritis -Nephrotic syndrome -Nephrosis - Renal calculus - Tumours	2	107-108
	-Acute renal failure -Chronic renal failure -End stage renal disease	2	109-110
	-Dialysis, renal transplant -congenital disorders, urinary infections -Benign prostate hypertrophy • Kidney -Polycystic kidney	2	111-112
	• Disorders of ureter, urinary bladder urethra- inflammation infections, calculus stricture, obstructions, tumors,	1	113
	prostate Drug used into treatment of genito-urinary systems Demonstrations Bladder wash / Irrigation Demonstration care of Indwelling catheterization male / female Condom catheters (external)	2	114-115

<p>VII Nursing management of disorders of male (adults including elderly) reproductive system 5 Hours</p>	<p>Nursing management of disorders of male (adults including elderly) reproductive system <ul style="list-style-type: none"> □□Review of anatomy and Physiology of male reproductive system □□Nursing assessment-history and physical assessment □□Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of male reproductive system </p>	<p>1</p>	<p>116</p>
	<ul style="list-style-type: none"> □□Congenital malformations; cryptorchidism □□Infections □□Hypospadiasis, Epispadiasis □□Infection Testis and adjacent structure 	<p>1</p>	<p>117</p>
	<ul style="list-style-type: none"> □□Penis □□Prostate: inflammation, infection hypertrophy, tumor □□Sexual Dysfunction □□Infertility 	<p>1</p>	<p>118</p>
	<ul style="list-style-type: none"> □□Contraception □□Breast, gynecomastia, tumor □□Climacteric changes special therapies, alternative therapies. 	<p>1</p>	<p>119</p>
	<ul style="list-style-type: none"> □□Nursing procedures drugs used in treatment of disorders of male reproductive system 	<p>1</p>	<p>120</p>
<p>VIII Nursing management of patient (adults including elderly) with disorders of endocrine system 10 Hours</p>	<p>Nursing management of patient (adults including elderly) with disorders of endocrine system <ul style="list-style-type: none"> □□Review of anatomy and physiology of endocrine system □□Nursing assessment-history and physical assessment □□Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of </p>	<p>2</p>	<p>121-122</p>

	<ul style="list-style-type: none"> ☐☐Disorders of pituitary ☐☐Disorders of thyroid and parathyroid 	2	123-124
	☐☐Adrenal tumour	2	125-126
	☐☐Diabetes mellitus, Diabetes insipidus	2	127-128
	☐☐special therapies, alternative therapies	1	129
	☐☐Nursing procedures ☐☐drugs used in treatment of disorders of endocrine system	1	130

XIII Peri Operative nursing: 25 Hours	Peri Operative nursing: <ul style="list-style-type: none"> ☐☐Organization and physical set up of the operation theatre (OT): ☐ Classification 	2	131-132
	<ul style="list-style-type: none"> ☐ O.T.DESIGN ☐ Staffing ☐ Members of the OT team. 	1	133
	☐ Duties and responsibility of nurse in OT	1	134
	<ul style="list-style-type: none"> ☐ Principles of health and operating room attire. ☐ Instruments 	1	135
	<ul style="list-style-type: none"> ☐ Sutures and suture materials ☐ Equipments ☐ O.T. tables and sets for common 		
	surgical procedure <ul style="list-style-type: none"> ☐ Scrubbing procedures ☐ Gowning and gloving ☐ Preparation of O.T. sets 	2	136-137
	☐ Monitoring the patients during surgical procedures	1	138
	☐☐Maintenance of therapeutics environment in O.T.	2	139-140

	<input type="checkbox"/> Standard safely measures <input type="checkbox"/> Infection control: fumigation, disinfection and sterilization	2	141-142
	<input type="checkbox"/> Biomedical waste management	2	143-144
	<input type="checkbox"/> Prevention of accidents and hazards in O.T.	1	145
	<ul style="list-style-type: none"> •Anesthesia <input type="checkbox"/> Types 	1	146
	<input type="checkbox"/> Methods of administration <input type="checkbox"/> Effects and stages <input type="checkbox"/> Equipment <input type="checkbox"/> Drugs	1	147
	<input type="checkbox"/> Cardio pulmonary Resuscitation (CPR)	2	148-149
	<input type="checkbox"/> Pain management techniques Legal Aspects	1	150

EVALUATION SCHEME:

Internal assessment

Theory: 25 Marks

	Medical Surgical Nursing (Theory)	Total Marks
Mid-term	50	50
Pre-final	75	75
	Total	125

(125 Marks to be converted in to 25 Marks for Internal Assessment (Theory))

Sr. no.	Medical Surgical Nursing (Practical)	Marks
1	Nursing Care Plan – 03 X 25 Marks (Medical ward – 01, Surgical ward – 01, Ortho / any other – 01)	75
2	Case Presentation – 01	50
3	Case study – 02 X 50 Marks	100
4	Health Education – 01	25
5	Therapeutic Diet – 01	25
6	Clinical Evaluation – 03 X 100 Marks	300
7	Mid-term Examination	50
8	Pre-final Examination	100
	Total marks	750

(725 Marks to be converted in to 100 Marks for Internal Assessment (Practical))

External Assessment
University Examination
Theory: 75 Marks
Practical: 100 Marks

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