

Name of Faculty	:	Faculty of Nursing
Name of Program	:	Post Basic B.Sc. Nursing
Course Code	:	1PBN08
Course Title	:	Medical Surgical Nursing
Type of Course	:	PC
Year of Introduction	:	2023-24

Pre requisite	:	Basic knowledge of Anatomy and Physiology of various system of the body and its Disease
Course Objective	:	The purpose of this course is to widen the student's knowledge and develop proficiency in caring for patients with medical surgical problems. This course includes review of relevant anatomy and physiology, pathophysiology in medical-surgical disorders and the nursing management of these conditions.
Course Outcomes	:	On completion of the course, the students will be able to
	CO1	Explain relevant Anatomy and Physiology of various systems of the body.
	CO2	Explain pathophysiology of various disorders.
	CO3	Explain the actions, side effects and nursing implications in administering drugs for various disorders.
	CO4	Discuss the recent advancement in the treatment and care of patients with medical surgical conditions
	CO5	Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
	CO6	Assist the patients and their families in identifying and meeting their own health needs.
	CO7	Appreciate the role of the nurse in the medical surgical health team

Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		Theory Marks		Practical Marks		Total Marks
			C	YEE	CIA	YEE	CIA	
3	0	5	4.25	75	25	50	50	100
								+
								100

Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice;P - Practical, C - Credit, YEE - year End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc

Course Content

Unit No.	Topics	Teaching Hours	Weightage	Mapping With COs
I.	<ul style="list-style-type: none"> • Introduction to medical surgical nursing. • Review of concepts of comprehensive nursing care in medical surgical conditions. • Nurse, patient and his/her family. • Functions of nurse in the outpatient department. • Intensive care unit. 	03	3.33%	CO1
II.	<ul style="list-style-type: none"> • Nursing management of patient with specific problems. • Fluid and electrolyte imbalance. • Dyspnea and cough, respiratory obstruction • Fever • Shock • Unconsciousness • Pain • Acute illness • Chronic Illness • Terminal illness • Age Related Illness • Patient undergoing Surgery • Incontinence 	06	6.66%	CO2, CO4,CO6
III.	<ul style="list-style-type: none"> • Nursing management of patient with neurological and neuro surgical conditions. • Review of anatomy and physiology of the nervous system. • Pathophysiology, diagnostic procedures and management of: 	09	10%	CO2, CO4, CO6,CO3



	<ul style="list-style-type: none"> • Cerebro-vascular accident. • Cranial, spinal and peripheral neuropathies. • Head-ache and intractable pain • Epilepsy • Infectious and inflammatory diseases and trauma of the nervous system. • Common disorders of the system. • Recent advances in diagnostic and treatment modalities. • Drugs used in these disorders. • Tumors of brain and spinal cord, congenital malformations, degenerative diseases. 			
IV.	<ul style="list-style-type: none"> • Nursing management of patient with cardiovascular problems. • Review of relevant anatomy and physiology of cardio vascular system. • Pathophysiology, diagnostic procedures and management of • Ischemic heart diseases. • Cardiac arrhythmias. • Congestive heart failure. • Rheumatic and other valvular heart diseases. • Endocarditis, cardiomyopathies, congenital heart, diseases, hypertension, heart block. • Cardiac emergencies: cardiac arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, aneurysms and 	08	8.88%	CO2, CO4, CO6



	peripherovascular disorders, recent advancement in cardiology..			
V	<ul style="list-style-type: none"> • Nursing management of patient with respiratory problems. • Review of anatomy and physiology of respiratory system, • Pathophysiology, • diagnostic procedures and management of upper respiratory tract infections. • Bronchitis • Asthma • Emphysema, empyema, Atelectasis, COPD • Bronchiectasis • Pneumonia • Pulmonary tuberculosis • Lung abscess • Pleural effusion • Tumours and Cysts • Chest injuries • Respiratory arrest and insufficiency • Pulmonary embolism • Drugs used in the management of these patients. • Special respiratory therapies. 	08	8.88%	CO2, CO4, CO6, CO3
VI	<ul style="list-style-type: none"> • Nursing management of patient with genitor-urinary problems. • Review of anatomy and physiology of the genitor-urinary system • Nephritis • Renal Calculus • Acute renal failure 	06	6.66%	CO2, CO4, CO6, CO3



	<ul style="list-style-type: none">• Chronic renal failure• End stage renal disease• Special procedures, dialysis, renal transplant• Drugs used in management of these patients• Congenital disorders, urinary infections• Benign prostate hypertrophy.			
VII	<ul style="list-style-type: none">• Nursing management of patients with problems of the digestive systems.• Review of anatomy and physiology of gastrointestinal system and accessory organs.• Pathophysiology, diagnostic procedures and management of:<ul style="list-style-type: none">• G.I.Bleeding• Peptic ulcer• Infections• Acute abdomen• Colitis, diarrhea, dysentery and mal-absorption syndrome.• Cholecystitis• Hepatitis, hepatic coma and cirrhosis of liver.• Portal hypertension• Pancreatitis• Tumors, hernias, fistulas, fissures, hemorrhoids.• Drugs used in the management of these patients.	8	8.88%	CO2, CO4, CO6, CO3



VIII	<ul style="list-style-type: none">• Nursing management of patients with endocrine problems• Review of anatomy and physiology and patho-physiology of patients with• Thyroid disorders• Diabetes mellitus• Diabetes insipidus• Adrenal tumour• Pituitary disorders• Diagnostic procedures• Nursing management of patient with above problems.• Drugs used in endocrine problems.	4	4.44%	CO2, CO4, CO6, CO3
IX	<ul style="list-style-type: none">• Nursing management of patients with musculoskeletal problems.• Review of anatomy and physiology and pathophysiology• Arthritis, osteomyelitis, bursitis,• Fractures, dislocation and trauma• Prolapsed disc• Osteomalacia and osteoporosis• Tumor• Amputation• Diagnostic procedures• Nursing management of patients with above problems.• Prosthesis and rehabilitation.• Transplant and replacement surgeries.	7	7.77%	CO2, CO4, CO6

X	<ul style="list-style-type: none"> Nursing management of patients with disorders of female reproductive tract. Disorder of menstruation Infections of the genital tract Benign and malignant tumors of the genital tract R.V.F., V.V.F Climatic changes and associated problems 	04	4.44%	CO2, CO4, CO6
XI	<ul style="list-style-type: none"> Nursing management of patients with oncological disorders. Types of neoplasms and related pathophysiology Diagnostic procedures Modalities of treatment and nurse's role Special therapies -Chemotherapy and radiotherapy Preventive measures, other therapies. 	7	7.77%	CO2, CO4, CO6
XII	<ul style="list-style-type: none"> Nursing management of patient with burns. Nursing management of patient with reconstructive surgeries. 	04	4.44%	CO2, CO4, CO6
XIII	<ul style="list-style-type: none"> Nursing management of patients with common communicable diseases and STD'S Nursing management of patient with immunological disorders including HIV/AIDS 	04	4.44%	CO2, CO4, CO6
XIV	Nursing management of patients with diseases of eye, ear, nose, throat and skin	05	5.55%	CO2, CO4, CO6



XV	<ul style="list-style-type: none">• Nursing management of patients with blood disorders• Review of anatomy and physiology of blood products.• Patho-physiology, diagnostic procedures and management of blood disorders• Anemia• Leukemia• Bleeding disorders• Hemophilia• Purpura etc.• Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.• Management and counseling of blood donors, phlebotomy procedure, and post donation management.• Blood bank functioning and hospital transfusion committee• Bio-safety and waste management in relation to blood transfusion.	04	4.44%	CO2, CO4, CO6
XVI	<ul style="list-style-type: none">• Nursing in emergencies.• Cardiac emergencies• Trauma• Poisoning• Crisis management: Thyroid crisis, Hypertensive crisis, adrenal crisis.	03	3.33%	CO2, CO4, CO6

Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	25	30	30	5	5	5

*NOTE: This specification table shall be treated as a general guideline for the students and the teachers.
 The actual distribution of marks in the question paper may vary slightly from above table.*

Reference Books

Sr.No.	Name of Reference Books
1	Medical-surgical nursing an integrated approach, lois white, Gena Duncan, Wendy Baumle, Belmar Cengage, 3 rd edition, 2013
2	Critical care nursing monitoring and treatment for advanced Nursing practice Kathy J. Booker, Wiley Blackwell, 2005
3	Contemporary medical- surgical nursing, Rick Daniels Laura Nosek, Leslie Nikoll, Thomson Delmor Learning, 2007
4	Student workbook for understanding medical surgical nursing Pavla D Hopper, Linda's Williams, F. A. Davis company, 2 nd edition, 2023
5	Medical-surgical nursing health and illness perspective, Wilma J Phipps, Francis, D Monahm, Judith K Sands, Jane F Marek Marianne, Mosby, 7 th edition, 2003
6	Critical care nursing learning and practical, Suzanne Bench Brown, Wiley-Blackwell, 1 st edition, 2011
7	Medical-surgical nursing at a glance, Ianpeate Wiley-Blackwell, 1 st edition, 2016