

Subject No. 9

MEDICAL-SURGICAL NURSING

Total hours: 360

Theory hours: 90

Clinical hours: 270

AIM:

The purpose of this course is to widen the student's knowledge and to develop proficiency in caring for patients with Medical –Surgical Problems. This course includes review of relevant anatomy and physiology, Patho-physiology in Medical Surgical disorders and the nursing management of these conditions.

OBJECTIVES:

At the end of this course the students are able to:

- 1.Explain the anatomy and physiology of the various systems of the human body.
- 2.Explain the etiology, Patho-physiology and manifestations of the various disorders.
- 3.Explain the actions, side effects and nursing implications in administering drugs of various disorders.
- 4.Discuss the recent advancement in the investigations, treatment and care of patients with medical surgical conditions.
- 5.Develop skill in giving comprehensive nursing care to the patients following the steps of the nursing process.
- 6.Assist the patients and their families in identifying and meeting their own health needs.
- 7.Provide planned and incidental health education on various aspects related to disorder and relevant care.
- 8.Appreciate the role of nurse in the Medical-Surgical Health Team.

COURSE CONTENTS:

Unit I - Introduction to medical surgical nursing:

- 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 staff requirements .Clients needs and nursing care.

Unit II - Nursing management of patients with specific problems:

- Fluid and electrolyte imbalance .Dyspnea, cough and respiratory obstruction. Fever. Shock. Pain. Acute illness. Chronic illness. Terminal illness. Age and related illness. Patient undergoing surgery. Incontinence.

Unit III - Nursing management of patients with Neurological and neuro-surgical conditions:

- Review of anatomy and physiology of nervous system.
- Pathophysiology, diagnostic procedures and management of: Cerebrovascular Accident (Brain Attack). Headache 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. Cranial and Spinal Neuropathies. Neurological examination

Unit IV - Nursing management of patients with cardiovascular problems:

- Review of anatomy and physiology of cardiovascular system. Pathophysiology, diagnostic procedures and management of: Ischemic Heart Disease. Cardiac Arrhythmias. Congestive heart Failure. Rheumatic and other Valvular diseases. Endocarditis, Cardiomyopathies, Congenital heart diseases, Hypertension, Heart Block. Cardiac emergency. Cardiac arrest. Acute pulmonary edema, cardiac. Tamponade, Cardiogenic Shock, Aneurysm and Periphero vascular disorders, recent advancement in cardiology.

Unit V - Nursing management of patients with Respiratory problems

- Review of anatomy and physiology of respiratory system Pathophysiology, diagnostic procedures and management of:-Upper respiratory tract infection. Bronchitis. Asthma. Emphysema, Empyema, Atelectasis, COPD. Bronchiectasis. Pneumonia. Pulmonary tuberculosis. Lung abscess. Pleural effusion. Tumors and cysts.
- Chest injuries. Respiratory arrest and insufficiency. Pulmonary embolism. Drugs used in managements of these patients .Special respiratory therapies. **Role of nurse in bronchoscopy**

Unit VI - Nursing management of patients with Genito-urinary problems

- . Review of anatomy and physiology Patho-physiology, diagnostic procedures and management of Genito urinary problems: Nephritis. Renal Calculus. Acute renal failure. Chronic renal failure. End stage renal disease. Special procedures, Dialysis, Renal transplant. Drugs used in the management of these patients. Congenital disorders, urinary tract infections. Benign Prostate Hypertrophy. **Urinary catheter care**

Unit VII - Nursing management of patients with digestive problems:

- Review of anatomy and physiology Pathophysiology, diagnostic procedures and management of digestive problems: G.I Bleeding. Peptic ulcer. Infections. Acute Abdomen. Colitis, diarrhea, dysentery & 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 such patients. **Role of nurse in endoscopy**

Unit VIII - Nursing management of patients with Endocrine problems

- Review of anatomy and physiology of endocrine system Pathophysiology, diagnostic procedures and management of endocrine problems: Thyroid disorders. Diabetes Mellitus. Diabetes insipidus. Adrenal tumor. Pituitary disorders. Diagnostic procedures. Nursing management of the patient with the above problems. Drugs used in Endocrine problems.

Unit IX - Nursing management of patients with Musculoskeletal problems

- Review of anatomy and physiology and Pathophysiology of patients with: 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. **Care of plaster casts and traction**

Unit X - Nursing management of patients with disorders of the female reproductive tract:

- Disorders of menstruation. Infection of the genital tract .Benign and malignant tumors of the genital tract.

- R.V.F., V.V.F. Climacteric changes and associated problems.

Unit XI - Nursing management of patients with Oncological disorders:

- Types of neoplasm's and related Patho physiology. Diagnostic procedures. Modalities of treatment and nurse's role. Special therapies –Chemotherapies and radiotherapies. Preventive measures and other therapies.

Unit XII - Nursing management of patients with burns

- Nursing management of patient with reconstructive surgeries **Rehabilitation of burn patient**

Unit XIII - Nursing management of patients with common communicable diseases & STDs

Nursing management of patients with immunological disorders including HIV/AIDS

- **Swine flu, Zika, Ebola, Leptospirosis**

Unit XIV - Nursing management of patients with diseases of eye, ear, nose, throat and skin.

- Eye & ear drop instillation
- Role of nurse, Tonometry

Unit XV - Nursing management of patient with blood disorders:

- Review of the anatomy and physiology of blood and 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 of 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.

Unit XVI - Nursing in emergencies:

- Cardiac emergencies. Trauma .Poisoning.

Crises Management:-Thyroid crises, Hypertensive crises, adrenal crises basic life support, advanced cardiac life support.

MEDICAL SURGICAL NURSING

Unit No. with total hours	Objectives	Contents with distributed hours						
		Must know 60%			Desirable to know 30%	Nice to know 10%		
I (2 hours)	At the end of unit students are able to Knowledge: Understand concept of comprehensive nursing care. Attitude: Render effective care to the client.	<ul style="list-style-type: none"> Review of concepts of comprehensive nursing care in medical surgical conditions. Nurse, patient and his/her family Functions of nurse in the outpatient department. Clients' needs and nursing care in intensive care unit. (1 hour) 			<ul style="list-style-type: none"> Introduction to Medical surgical nursing. Intensive care unit. Staff requirements. (1 hour) 			
	Unit I Introduction:							
	Course outcome	Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO1:describe of comprehensive nursing care in medical surgical conditions	3	3	3	3	3	3	3
	CO2: determine role of nurse in comprehensive nursing care	3	3	3	3	3	3	3
	CO3:identify the staff requirement in intensive care unit	3	3	2	3	1	2	2

	CO4:describe the Clients’ needs and nursing care in intensive care unit CO 5: determine the importance of Medical surgical nursing.	3	3	3	3	3	3	3
	CO 6: Explain the role of Medical surgical nurse in detail.	3	3	3	3	3	3	3
II (9 hours)	At the end of unit students are able to Knowledge: Understand and describe nursing management of patient with specific problems like pain, shock etc. Skill: Acquire proficiency in providing comprehensive care to patients with specific problems. Attitude: Integrate this knowledge in professional practice.	Nursing management of patients with specific problems: Fluid and electrolyte imbalance. Dyspnea, cough and respiratory. Fever. Pain. Acute illness, chronic illness, Patient undergoing surgery.(6 hours)			Shock. Terminal illness (2 Hours)		Age related illness, Incontinence (1 Hour)	
Unit II : Nursing management of patients with specific problems								
Course outcome		Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7

	CO1: Describe Fluid and electrolyte imbalance in detail.	3	3	3	3	3	2	3
	CO 2: determine pain management in detail	3	3	3	3	3	3	3
	CO3:identify the comprehensive nursing care required by Patient undergoing surgery	3	3	3	3	3	3	3
	CO4: describe acute and chronic illness in detail	3	3	2	2	2	3	3
III (10 hours)	At the end of unit students are able to Knowledge: Understand and explain the nursing management of patient with neurological conditions. Skill: Identify the nursing care needs of client and provide quality care. Attitude: Maintain respect and dignity of patient with neurological disorders.	Nursing management of patients with Neurological and neuro-surgical conditions <ul style="list-style-type: none"> Neurological examination, Pathophysiology and management of: - Cerebro vascular Accident. Cranial, Spinal and peripheral neuropathies. Headache 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 (6 hours) 			<ul style="list-style-type: none"> Review of anatomy and physiology of nervous system. Diagnostic procedures. Drugs used in these disorders (3 hour) 		<ul style="list-style-type: none"> Tumors of brain and spinal cord, congenital malformations, degenerative diseases. (1 hour) 	
	UNIT III: Nursing management of patients with Neurological and neuro-surgical conditions							
	Course outcome	Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	
CO 1: describe the anatomy and physiology of nervous system in detail.	3	2	2	3	2	3	3	
CO 2: determine Pathophysiology and management of: - Cerebro vascular Accident.	3	3	3	3	2	3	3	
CO 3: Describe neurological examination in detail	3	3	3	3	3	3	2	
CO 4:determine Recent advances in diagnostic and treatment modalities Neurological conditions.	3	3	3	3	2	2	3	
CO 5: Identify the common Drugs used in neurological conditions disorders	3	3	3	2	3	3	3	
Co 6: Describe the common disorders of the neurological system	3	3	2	2	3	3	2	
CO 7: determine the Tumors of brain and spinal cord in detail	3	3	2	2	2	3	2	
CO 8: describe Epilepsy in detail.	3	3	2	2	3	3	2	
Co 9:determine degenerative diseases	3	3	2	2	3	2	2	

	in detail.							
IV (10 hours)	<p>At the end of unit students are able to</p> <p>Knowledge: Understand and describe nursing management of patient with cardiovascular disorders.</p> <p>Skill: Identify the health needs of the patients with cardiovascular problems and tries to fulfill them.</p> <p>Attitude: Learns to appreciate importance of time management and working under stress while rendering care to such patients.</p>	<p>Nursing management of patients with Cardiovascular problems</p> <ul style="list-style-type: none"> • Pathophysiology, diagnostic procedures and management of:-Ischemic Heart Disease. Congestive heart Failure. Rheumatic and other Valvular diseases. Endocarditis, Cardiomyopathies, Congenital heart diseases, Hypertension, Heart Block. Cardiac emergency-Cardiac arrest' Acute pulmonary edema, Cardiogenic Shock & Peripheral vascular disorders. (6 hours) 			<ul style="list-style-type: none"> • Review of anatomy and physiology of cardiovascular system. • Cardiac Arrhythmias (3 hours) 	<ul style="list-style-type: none"> • Cardiac tamponade • Aneurysm. • Recent advancement in cardiology (1hours) 	<ul style="list-style-type: none"> • 	
UNIT IV Nursing management of patients with Cardiovascular problems								
Course outcome		Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7

	CO 1:describe the common disorders of cardiovascular system	3	3	2	2	3	3	3	
	CO 2: Describe CCF and its nursing management in detail.	3	3	2	2	3	3	3	
	CO3:describe Rheumatic heart disease in detail	3	3	3	3	3	3	3	
	CO4 :determine Valvular diseases	3	3	3	2	2	2	3	
	CO 5:describe hypertension and its nursing management	3	3	3	3	2	2	2	
	CO 6: determine Cardiac emergency and describe Cardiac arrest in detail	3	3	3					
	CO 7: explain Cardiogenic Shock	3	3	3	3	3	3	3	
	CO 8: determine Peripheral vascular disorders and its management in detail	3	3	3	3	2	2	3	
V (6 hours)	At the end of unit students are able to Knowledge: Understand and describe nursing management of patient with respiratory problems. Skill: Identify the health needs of the patients with respiratory problems and tries to fulfill them. Attitude: Incorporate this knowledge in rendering care to the patient.	Nursing management of patients with Respiratory problems <ul style="list-style-type: none"> • Upper respiratory tract infection • Bronchitis • Asthma • Emphysema, Empyema, COPD • Bronchiectasis • Pneumonia • Pulmonary tuberculosis • Pleural effusion • Chest injuries 				<ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Patho-physiology, diagnostic procedures. • Drugs used in management of these patients. (1 hour) 		➤ Special respiratory therapies. (1 hours)	

		<ul style="list-style-type: none"> • Respiratory arrest and insufficiency • Pulmonary embolism • Management of:- <ul style="list-style-type: none"> ➤ Atelectasis, ➤ Lung abscess • Tumors and cysts • Role of nurse in bronchoscopy (4 hours) 					
UNIT V: Nursing management of patients with Respiratory problems							
Course outcome		Programme outcome					
	Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1: Describe disorders of upper respiratory tract infection in detail	3	3	3	3	3	3	3
CO 2 explain Pulmonary tuberculosis and its management in detail	3	3	3	3	3	3	3
Co 3: determine management of Atelectasis and lung abscess in detail.							
CO 4: describe chest injuries in detail.	3	3	3	3	2	3	3
CO 5: determine Drugs used in disorder of respiratory management in detail.	3	3	3	3	2	3	3

	CO 6: Identify the Special respiratory therapies for patient suffering from respiratory disorders	3	3	3	3	2	3	3
	CO 7: Describe the Patho-physiology and diagnostic procedure of Asthma In detail.	3	3	3	3	2	3	3
VI (5 hours)	At the end of unit students are able to Knowledge: Understand and describe nursing management of patient with genitor urinary problem. Skill: Perform nursing activities with competency while working in genito-urinary unit. Attitude: Appreciate the professional role of nurse.	Nursing management of patients with Genito-urinary problems <ul style="list-style-type: none"> • Nephritis • Renal Calculus • Acute renal failure • Chronic renal failure • End stage renal disease, Dialysis. • Congenital disorders, urinary tract infections • Benign Prostate Hypertrophy (3 hours) • Urinary catheter care 			<ul style="list-style-type: none"> • Review of anatomy and physiology Patho-physiology, diagnostic procedures. • Drugs used in the management of these patients. (1 hours) 		<ul style="list-style-type: none"> • Special procedures, Renal transplant. (1 hours) 	
UNIT VI: Nursing management of patients with Genito-urinary problems								
Course outcome		Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO 1: describe nephritis and its causes								

	CO2: describe renal calculi and explain its nursing management.							
	CO3: explain dialysis and formulate the nursing care plan for the patient of dialysis							
	CO4:explain Chronic renal failure in detail							
	CO5: describe urinary tract infection and determine role of nurse to manage the patient of CRF in detail							
	CO 6: Define Benign Prostate Hypertrophy and detect the causes and treatment modalities for the patient of Benign Prostate Hypertrophy in detail.							
	CO7:describe Urinary catheter care							
VII (10 hours)	At the end of unit students are able to Knowledge: Understand and describe nursing management of patient with digestive problem. Skill: Provide quality care to such patients. Attitude: Appreciate special needs of patients with digestive problems.	Nursing management of patients with digestive problems: • G.I Bleeding .Peptic ulcer. Infections. Colitis. Diarrhea, dysentery. Cholecystitis, Hepatitis. Hepatic Coma and Cirrhosis of Liver. Portal Hypertension. Pancreatitis. Tumors, hernias, fistulas, fissures, hemorrhoids (6 hours)			• Review of anatomy and physiology Pathophysiology, diagnostic procedures. • Acute Abdomen. • Drugs used in the management of such patients. • Role of nurse in endoscopy (3 Hours)		• Mal- absorption syndrome. (1 Hour)	
UNIT VII: Nursing management of patients with digestive problems:								

Course outcome	Programme outcome						
	Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1:define peptic ulcer and enlist the causes of peptic ulcer	3	3	3	2	2	3	3
CO2:Describe peptic ulcer and brief its management	3	3	3	3	2	3	3
CO3: Define Cholecystitis and enlist the management of Cholecystitis	3	3	3	2	2	3	3
CO4:Describe hernia and enlist the types of hernias	3	3	3	3	2	3	2
CO5:Define Pancreatitis and enumerate the causes and management of Pancreatitis	3	2	3	3	3	2	2
CO6: Define hemorrhoids and enlist the types of hemorrhoids and its management	3	3	2	3	2	3	3
CO 7:describe fistula and fissures in detail	3	2	2	2	2	2	3
CO8:Determine nursing management of patient with colostomy and enumerate the types of colostomy	3	2	3	3	3	2	3

VIII (4 hours)	At the end of unit students are able to Knowledge : Understand nursing management of patient with endocrine problem Skill: Contribute in special diagnostic test and educating the patients. Attitude: Consider specific needs of patients.	Nursing management of patients with Endocrine problems <ul style="list-style-type: none"> • Thyroid disorders • Diabetes Mellitus • Pituitary disorders • Nursing management of the patient with the above problems. (2 hours) 	<ul style="list-style-type: none"> ▪ Review of anatomy and physiology of endocrine system ▪ Patho-physiology, diagnostic procedures. • Diabetes insipidus • Adrenal tumor • Diagnostic procedures (1 hour) 	<ul style="list-style-type: none"> • Drugs used in Endocrine problems. (1 hour) 				
UNITVIII :Nursing management of patients with Endocrine problems								
Course outcome		Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1: describe diabetes mellitus and its management in detail		3	3	3	3	3	3	3
CO2: determine the disorder of thyroid gland and enumerate hyperthiroidism in detail.		3	2	3	2	2	3	3
CO3:describe the nursing management of diabetes mellitus in detail		3	2	3	3	3	2	3
CO4:describe disorders of pituitary gland and list down its causes in detail		3	2	2	3	3	2	3
CO5:identify the risk factors of diabetes mellitus in detail								

	CO 6: determine different types of Drugs used in Endocrine problems.	3	2	3	2	2	3	3	
	CO7: identify the diagnostic procedures procedure used to diagnosed disorders of endocrine system	3	2	3	3	3	2	3	
IX (4 hours)	At the end of unit students are able to Knowledge: Know the management of patient with musculoskeletal disorders. Skill: Develop competency in caring patients with musculoskeletal disorders. Attitude: Appreciate specific skill and knowledge required for caring such patients.	Nursing management of patients with Musculoskeletal problems <ul style="list-style-type: none"> • Arthritis, osteomyelitis, • Fractures, dislocation and trauma • Osteomalacia and osteoporosis • Amputation • Rehabilitation. (2 hours) 			<ul style="list-style-type: none"> • Review of anatomy and physiology and Patho-physiology • Prolapsed disc • Diagnostic procedures • Prosthesis • Care of plaster casts and traction (1 hr) 		<ul style="list-style-type: none"> • Bursitis. • Tumor • Transplant and replacement surgeries (1 hour) 		
UNIT IX: Nursing management of patients with Musculoskeletal problems									
Course outcome			Programme outcome						
			Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
			PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO 1:Define Arthritis and enlist its clinical management			3	3	3	2	2	2	3

	CO2:Describe osteomyelitis, and illustrate its management	3	2	3	3	3	2	3
	CO3: define fracture and enlist its types and management							
	CO4:Describe Osteomalacia and its management In detail.	2	3	3	3	2	3	3
	CO5: Describe osteoporosis and its causes with management in detail.	3	2	3	3	3	2	3
	CO6: Define Amputation and enlist its purposes	2	3	3	3	2	3	3
	CO7: determine Rehabilitation. And identify its phases and describe the role of nurse	3	2	3	3	3	2	3
	CO8:Determine Care of plaster casts and traction	2	3	3	3	2	3	3
X (3 hours)	At the end of unit students are able to Knowledge: Understand and explain nursing management of female patients with reproductive disorders. Skill : Communicate properly with patients to understand the problems Attitude: Considerate socio cultural values and beliefs in caring such patients.	Nursing management of patients with disorders of the female reproductive tract • Disorders of menstruation. • Infection of the genital tract • Benign and malignant tumors of the genital tract • R.V.F.,V.V.F (2 hours)			• Climacteric changes and associated problems. (1 hours)			
	UNIT X:Nursing management of patients with disorders of the female reproductive tract							
	Course outcome	Programme outcome						

		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO1:Describe disorders of menstruation	3	2	3	3	3	2	3
	CO2: identify the causes and of dysmenorrheal	2	3	3	3	2	3	3
	CO3:determine the difference between Benign and malignant tumors of the genital tract	3	2	3	3	3	2	3
	CO4:describe R.V.F. in detail	2	3	3	3	2	3	3
	CO5: Determrine V.V.F in detail	3	2	3	3	3	2	3
XI (5 hours)	At the end of unit students are able to Knowledge: Acquire knowledge of nursing management of a patient with oncological disorders. Skill: Contribute in special diagnostic procedure. Attitude: Maintain patient's dignity and respect.	Nursing management of patients with Oncological disorders <ul style="list-style-type: none"> • Types of neoplasms Patho physiology • Modalities of treatment and nurses role • Preventive measures and other therapies (2 hours) 			Diagnostic <ul style="list-style-type: none"> • procedures Special therapies – • Chemotherapi es • and radiotherapies. (2 hour)	•	• Alternative therapies (1 hour)	

UNIT XI: Nursing management of patients with Oncological disorders							
Course outcome	Programme outcome						
	Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1: Define neoplasia and enlist the types of neoplasms			2	3	3	3	2
CO2: determine the Pathophysiology of neoplasia	2		3	3	3	2	3
co3: describe the different modalities of treatment and nurses role for the patient of cancer	3		2	3	3	3	2
co4: determine the preventive measures for the patient with cancer	2		3	3	3	2	3
CO5: Describe Chemotherapy in detail.	3		2	3	3	3	2
CO6: determine radiotherapy in detail	2		3	3	3	2	3
XII (3 hours)	At the end of unit students are able to Knowledge: Understand and describe nursing management patients with burns. Skill: Maintain the asepsis and prevent	Nursing management of patients with burns. • (2 hours)		patient (2		• Nursing management of patient with reconstructive surgeries. (1 hour)	

	infections. Attitude: Develops learning attitude while caring for such patients.						
UNIT XII: Nursing management of patients with burns.							
Course outcome		Programme outcome					
	Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1: Define burn and enlist the types of burn	3	2	3	3	3	2	3
CO2: describe medical management for burn patient in detail.	2	3	3	3	2	3	3
CO3: determine role of nurse for patient of burn	3	2	3	3	3	2	3
CO4: Determine Nursing management of patient with reconstructive surgeries	2	3	3	3	2	3	3
CO5: enlist the causes of burn and its emergency management in detail.	3	2	3	3	3	2	3
CO6: determine surgical management for patient of third degree burn	3	2	3	3	3	2	3
CO7: describe Rehabilitative management for burn patient	3	2	3	3	3	2	3

XIII (5 hours)	At the end of unit students are able to Knowledge: Understand and describe the nursing management of a patient with common communicable diseases and STDs. Skill: Acquire skill required for caring immunologically compromised patients. Attitude: Maintain confidentiality.	<ul style="list-style-type: none"> • Nursing management of patients with common communicable diseases & STDs (2 hours) 	<ul style="list-style-type: none"> • Nursing management of patients with immunological disorders including HIV/AIDS. (2 hours) 	<ul style="list-style-type: none"> • Swine flu • Zika • Ebola • Leptospirosis (1 Hour) 				
UNIT XIII: Nursing management of patients with common communicable diseases & STDs								
Course outcome		Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1 describe classification of communicable diseases and enlist its causes	3	2	3	3	3	3	3	
CO2: describe Swine flu and its management in detail	3	2	3	3	3	2	2	
CO3: determine Zika and enlist its causes in detail.	3	2	3	3	3	3	3	
CO4: identify the clinical management Ebola	3	2	3	3	3	2	2	
CO5: describe sexually Transmitted Disease and identify its causes in detail	3	2	3	3	3	2	3	
O6: describe Nursing management of patients with HIV/AIDS.	3	2	3	3	3	3	3	

	CO7:Identify the cases and enlist the clinical manifestation of Leptospirosis	2	3	3	3	3	2	3
XIV (05 hours)	At the end of unit students are able to Knowledge: Acquire knowledge of nursing management. Skill: Assist in performing diagnostic test. Attitude: Maintain dignity and respect of patient.	Nursing management of patients with diseases of eye, ear, nose, throat and skin. • Eye & ear drop instillation • Role of nurse (2 hours)			• Special therapies. Speech defects and speech therapy. (2Hr)		• Tonometry (1 Hour)	
UNIT XIV: Nursing management of patients with diseases of eye, ear, nose, throat and skin.								
Course outcome		Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1 Describe cataract in detail.		3	2	3	3	3	2	3
CO2: Explain the role of nurse for post operative cataract patient		3 3	2 2	3 3	3 3	3 3	2 2	3 3
CO3: describe chronic supportive otitis media and identify the nursing management for the patient of CSOM		3	2	3	3	3	2	3
CO4: Define Glaucoma and discussed about its medical and surgical management		3	2	3	3	3	2	3

	CO5: determine Eye & ear drop instillation in detail.	3	2	3	3	3	2	3
	CO6: explain tonometry and identify the procedure and role of nurse during tonometry	3	2	3	3	3	2	3
	CO7: describe Speech defects and speech therapy.	3	2	3	3	3	2	3
XV (06 hours)	At the end of unit students are able to Knowledge: Understand and describe nursing management of patients with blood disorders. Skill: Maintain asepsis, prevent infection. Attitude: Provide emotional support to the patients.	Nursing management of patient with blood Disorders: Anemia. Leukemia. Bleeding disorders. Purpura etc. • Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records of blood transfusion. • Bio safety and waste management in relation to blood transfusion (3 hrs)			Review of the anatomy and physiology of blood and blood products. Patho-physiology, diagnostic procedures. Management and counseling of blood donors, phlebotomy procedure and post donation management. (2 hrs)		<ul style="list-style-type: none"> • Hemophilia • Blood bank functioning and hospital transfusion committee. (1 hour) 	
UNIT XV: Nursing management of patient with blood Disorders								
Course outcome		Programme outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	
	CO1: Describe Anemia and identify the different types and causes of anemia in detail.	3	2	3	3	3	2	3	
	CO2:explain leukemia and its management in detail.	3	2	3	3	3	2	3	
	CO3: Describe blood transfusion and identify the role of nurse in blood transfusion	3	2	3	3	3	2	3	
	CO4: Determine different types of blood transfusion in detail.	3	2	3	3	3	2	3	
	CO5: Explain Blood bank functioning and hospital transfusion committee in detail	3	2	3	3	3	2	3	
	CO6:Describe Bio safety and waste management in relation to blood transfusion	3	2	3	3	3	2	3	
	CO7: Illustrate the patho-physiology of leukemia	3	2	3	3	3	2	3	
	CO8:Determine Management and counseling of blood donors.	3	2	3	3	3	2	3	
	CO9:Describe phlebotomy procedure and post donation management.	3	2	3	3	3	2	3	
XVI (03 hours)	At the end of unit students are able to Knowledge: Enlist nursing emergency and describe management of such emergency. Skill: Work effectively as a emergency	Nursing in emergencies • Cardiac emergencies. Trauma. Poisoning. • Basic life support (BLS), advanced cardiac life support.(ACLS) (2 hours)			• Crises Management :- Thyroid crises, Hypertensive crises, adrenal crises				

	team member. Attitude: Appreciate time management devotion.			(1 hour)			
UNIT XVI: Nursing in emergencies							
Course outcome	Programme outcome						
	Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1:describe different types of Cardiac emergencies and identify the role of nurse in such emergencies	3	2	3	3	3	2	3
CO2:describe trauma and its management in detail.	3	2	3	3	3	2	3
CO3: explain about Basic life support (BLS) in detail and identify the role of nurse in detail	3	2	3	3	3	2	3
CO4: discussed about advanced cardiac life support.(ACLS) and identify the role of nurse in detail.	3	2	3	3	3	2	3
CO5: define poisoning and identify the classification of poisoning in detail. CO6:describe the Management of Thyroid crises	3	2	3	3	3	2	3

	:CO7:discussed about Hypertensive crises,	3	2	3	3	3	2	3
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CLINICAL HOURS:

Unit	Clinical hrs	Unit	Clinical hrs
Medical Unit	90	Critical care unit	30
Surgical Unit + Burns Unit		Orthopedic unit	15
Cardiology unit	30	Ophthalmic Unit	15
Neurology unit	30	ENT and Oncology	30
Intensive care unit	30	Dialysis	15
		Skin Unit	15
Grand Total			300

TEACHING STRATEGY:**Total teaching Hours: 360****Theory Hours: 90****Clinical hours: 270**

TEACHING METHODS: Lecture, Seminar, Laboratory Demonstration, Group Discussion, Clinical Observation, Bed Side clinic, Workshops & **Modified Tutorials**

A. V. AIDS: Over head Projector, L.C.D, Computer Assisted Instruction, Flip charts, Posters, Black Board, Models, Simulation

ASSIGNMENT:**Theory:**

Sr. No	Assignments	No./Quantity	Marks Per Assignment	Total Marks
1	Home assignment	Two	20	40
Total Marks				40

1. Practical:

Sr. No	Assignments	No./Quantity	Marks Per Assignment	Total Marks
1	Clinical Performance Evaluation	Three	50	150
2	Case Presentation	One	25	25
3	Case study	One	25	25
4	Nursing Care Plan	Two	20	40
5	Specific therapy report (One Patient)	One	10	10
Total Marks				250

LIST OF RECOMMENDED BOOKS:

- Text book of Medical Surgical Nursing –Brunner and Suddarth
- Medical Surgical Nursing –Clinical Positive outcome-Joyce and Black
- Medical Surgical Assessment and Management of clinical problems –Lewis ,Colliner
- Medical Surgical Nursing –A Psychopathologic Approach –Luckmann and Sorensen
- Medical Surgical Nursing –A Nursing process Approach
- Medical Surgical nursing –B.T.Basvanthappa
- Medical Surgical Nursing an integrated approach;-White L,Delmar
- Moroneys Surgery for nurses –Colmer
- API Textbook of Medicine :-Shah N.S

- Pharmacology and Pharmacotherapeutics-Satoskar R.S.Bhandarkar
- Fundamental of Operation theatre Services –Datta T.K
- Essentials of Orthopaedics:-Maheshwari
- Illustrated Textbook of Dermatology-Parischa J.S.,Gupta
- Davidsons Principles and Practice of Medicine –Haslett C,Chilvers E.

