

Question Bank

Pharmacology

Chapter 1: Infectious Diseases

Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Answer Questions (5 Marks)
Guidelines for the rational use of antibiotics & surgical prophylaxis		1. Explain the general guidelines for the rational use of antibiotics 2. Explain surgical prophylaxis, and add a note on selection of antibiotics for surgical prophylaxis 3. Write a note on choice of antimicrobials for surgical prophylaxis	1. Define surgical prophylaxis 2. Give the indications for surgical prophylaxis 3. Write a note on selection of antibiotics for surgical prophylaxis
Tuberculosis	1. Explain the Pathophysiology, diagnosis and management of Tuberculosis 2. Explain the Pathophysiology of Tuberculosis. Give the management of multi-drug resistance tuberculosis 3. Explain the pathophysiology of tuberculosis. Add a note on DOTS therapy.	1. Explain DOTS therapy 2. Explain Management of pulmonary tuberculosis 3. Write a note on the diagnosis, classification and primary prevention of tuberculosis 4. Write a note on the management of extra-pulmonary tuberculosis 5. Explain management of multi-drug resistant tuberculosis. 6. Explain management of tuberculosis in children and pregnancy	1. Define tuberculosis 2. Give the classification of tuberculosis 3. Define primary tuberculosis 4. Define secondary tuberculosis 5. Define latent tuberculosis 6. Define active tuberculosis 7. Define drug-resistant tuberculosis 8. Define multidrug-resistant tuberculosis 9. Define isoniazid 10. Define rifampin 11. Define pyrazinamide 12. Define ethambutol 13. Define streptomycin 14. Define fluoroquinolones
Meningitis		1. Explain management of meningitis 2. Write a note on the selection of antimicrobial regimens for treatment of acute bacterial meningitis in different age groups.	1. Define meningitis 2. Give the classification of meningitis 3. Define acute bacterial meningitis 4. Define viral meningitis 5. Define fungal meningitis

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Questions (5 Marks)
			6. Explain the management of pneumonia. 7. Define and explain the management of bronchitis. 8. Explain the management of otitis media. Find
Respiratory Tract Infections	1. Classify respiratory tract infections. Explain the management of Acute Bronchitis and Pneumonia 2. Classify Respiratory tract infections. Explain the management of any three upper respiratory tract infections 3. Explain the pathophysiology, diagnosis, clinical presentation and management of pneumonia	1. Explain management of pneumonia 2. Explain management of bronchitis 3. Define, classify and explain management of otitis media 4. Explain management of Sinusitis and Pharyngitis 5. Explain the clinical manifestation and management of bronchiolitis	1. List the causes of pneumonia 2. Define and explain the management of pneumonia 3. Define and explain the management of bronchitis 4. Define and explain the management of otitis media 5. Define and explain the management of Sinusitis and Pharyngitis 6. Define and explain the clinical manifestation and management of bronchiolitis 7. Define and explain the clinical manifestation and management of pneumonia 8. Define and explain the clinical manifestation and management of pneumonia 9. Define and explain the clinical manifestation and management of pneumonia 10. Define and explain the clinical manifestation and management of pneumonia 11. Define and explain the clinical manifestation and management of pneumonia 12. Define and explain the clinical manifestation and management of pneumonia
Gastroenteritis		1. Write a note on general management of gastroenteritis 2. What is enteric fever? Explain management of enteric fever. 3. Name the causative organism and explain the management of cholera	1. Write a note on general management of gastroenteritis 2. Define and explain the management of enteric fever. 3. List the causative organisms and explain the management of cholera 4. Define and explain the management of cholera
Endocarditis		1. Explain management of infective endocarditis 2. Explain modified duke criteria for the diagnosis of endocarditis 3. What are the clinical manifestations of Endocarditis?	1. Write a note on general management of infective endocarditis 2. Explain modified duke criteria for the diagnosis of endocarditis 3. Define and explain the clinical manifestations of Endocarditis 4. Define and explain the clinical manifestations of Endocarditis

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Questions (5 Marks)
Septicemia		Explain the complications of endocarditis. 1. Explain the management of septicemia 2. Enlist clinical manifestation and acute management of septicemia	1. Explain the management of septicemia 2. Enlist clinical manifestation and acute management of septicemia 3. Explain the management of septicemia 4. Write a note on septicemia
Urinary Tract Infections		1. Give the classification and management of urinary tract infections. 2. Give the clinical presentation and management of urinary tract infections. 3. Write a note on prevention and prophylaxis for UTI	1. Give the classification and management of urinary tract infections. 2. Give the clinical presentation and management of urinary tract infections. 3. Give the clinical presentation and management of urinary tract infections. 4. Give the clinical presentation and management of urinary tract infections. 5. Give the clinical presentation and management of urinary tract infections. 6. Give the clinical presentation and management of urinary tract infections. 7. Give the clinical presentation and management of urinary tract infections. 8. Give the clinical presentation and management of urinary tract infections. 9. Give the clinical presentation and management of urinary tract infections.
Protozoal Infections		1. Give the management of malaria 2. Give the clinical presentation and management of Amoebiasis	1. Give the management of malaria 2. Give the clinical presentation and management of Amoebiasis 3. Give the clinical presentation and management of Amoebiasis 4. Give the clinical presentation and management of Amoebiasis 5. Give the clinical presentation and management of Amoebiasis 6. Give the clinical presentation and management of Amoebiasis

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Questions (5 Marks)
HIV & Opportunistic Infections	1. Explain the pathophysiology and management of HIV 2. Discuss the general principles of management of AIDS. Add a note on the dosing regimen for the drugs used in management of AIDS. 3. Explain the pathogenesis of HIV Infection and list out of the different classes of antiviral agents used for its management.	1. Explain HAART therapy for HIV 2. What is an opportunistic Infection? Explain measures to prevent opportunistic infections. 3. Explain reasons for non-adherence to HAART Therapy, and discuss methods to overcome non-adherence.	1. Explain the pathogenesis of HIV 2. Name the drugs used in management of HIV 3. Explain the pathogenesis of opportunistic infections 4. Explain the pathogenesis of HIV infection 5. Explain the pathogenesis of HIV infection 6. Discuss the management of HIV infection
Fungal infections		1. Explain the management of any two fungal infections 2. Explain the classification and management of candidiasis 3. Enumerate the predisposing factors and clinical manifestations of systemic fungal infections.	1. Explain the management of any two fungal infections 2. Explain the classification and management of candidiasis 3. Enumerate the predisposing factors and clinical manifestations of systemic fungal infections.
Viral Infections		1. Write a note on herpes zoster infection 2. Write a note on Influenza infections 3. Write the symptoms, management and complications of Dengue 4. Enlist the causative organism of Polio. Add a note on the complications of polio	1. Write a note on herpes zoster infection 2. Write a note on Influenza infections 3. Write the symptoms, management and complications of Dengue 4. Enlist the causative organism of Polio. Add a note on the complications of polio
Gonorrhea & Syphilis		1. Give the symptoms, diagnosis and management of Gonorrhea 2. Give the management of Syphilis 3. Classify Syphilis. Write a note	1. Give the symptoms, diagnosis and management of Gonorrhea 2. Give the management of Syphilis 3. Classify Syphilis. Write a note

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Questions (5 Marks)
		on the complications of Syphilis	5. G of S 6. G

Chapter 2: Musculoskeletal Disorders

Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Questions (5 Marks)
Rheumatoid arthritis		1. Explain the clinical manifestation and management of Rheumatoid arthritis? 2. Explain the algorithm for management of Rheumatoid Arthritis. 3. Enumerate differences between Osteoarthritis and Rheumatoid arthritis 4. Explain the pathogenesis and management of Rheumatoid arthritis.	1. 2. 3. 4. 5. 6. 7.
Osteoarthritis		1. Explain the clinical manifestation and management of osteoarthritis?	1. 2. 3. 4.

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Essays (5 Marks)
Gout		1. Explain the management of acute and chronic gout? 2. Write the risk factors of Gout. Add a note on management of gout.	1. 2. 3. 4.
Ankylosing Spondylitis		1. Types and management of ankylosing spondylitis?	1. 2.
SLE		1. Explain the clinical manifestation and management of SLE?	1. 2. 3.

Chapter 3: Renal Disease

Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Essays (5 Marks)
Acute renal failure		1. Discuss various methods used in the management of acute renal failure. 2. Describe the pharmacotherapy of acute renal failure. 3. Describe the etiology, and pathogenesis of acute renal failure.	1. 2. 3. 4. 5. 6. 7.

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Score
			8 9 10
Chronic renal failure		1. Discuss various methods used in the management of acute renal failure. 2. Describe the pharmacotherapy of chronic renal failure. 3. Describe the etiology, and pathogenesis of chronic renal failure. 4. Write a note on renal osteodystrophy.	1 2 3 4 5 6 7 8
Renal dialysis		1. Write a note on renal dialysis.	1 2 3 4 5 6

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Answer Questions (5 Marks)
Drug induced renal disorders		1. Write a note on drug induced renal failure. 2. Write a note on Acute Tubular Necrosis	1. Define drug induced renal failure. 2. List the drugs which cause renal failure. 3. Write a note on Acute Tubular Necrosis.

Chapter 4: Oncology

Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Answer Questions (5 Marks)
Basic principles of cancer therapy	1. Define tumor. Classify tumors with their diagnostic features. Describe the general principles of cancer chemotherapy	1. Explain the diagnosis and staging of Cancer. 2. Discuss the role of oncogenes and tumor suppressor genes in etiopathogenesis of cancer 3. Explain the significance of screening in prevention and early detection of cancer.	1. Define tumor. 2. Classify tumors. 3. Write a note on the general principles of cancer chemotherapy.
General introduction to cancer chemotherapeutic agents	1. Discuss the etiology, detection, diagnosis and chemotherapy of cancer. 2. Explain various considerations in design of a chemotherapeutic regimen in management of cancer.	1. Explain the various side effects of chemotherapeutic agents and its prophylactic measures. 2. Discuss toxicities of chemotherapeutic agents	1. Define cancer. 2. Discuss the etiology, detection, diagnosis and chemotherapy of cancer. 3. Write a note on the general principles of cancer chemotherapy.
Chemotherapy of breast cancer	1. Explain the risk factors and classification of breast cancer. Write a note on chemotherapeutic regimens used in the treatment of breast cancer. 2. Describe the risk factors and diagnosis of breast cancer. Write a note on the management of breast cancer.	1. Explain the etiology and management of breast cancer 2. Describe chemotherapy of breast cancer. 3. Explain the treatment for metastatic breast cancer	1. Define breast cancer. 2. Classify breast cancer. 3. Write a note on the management of breast cancer.
Leukemia	1. Define Leukemia. Explain the	1. Describe the chemotherapy of	1. Define leukemia.

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Essays (5 Marks)
	types of leukemia. Add a note on management of Acute Lymphocytic Leukemia. 2. Define Leukemia. Explain the classification and diagnosis of Leukemia. Add a note on management of Chronic Lymphocytic leukemia 3. Mention the clinical manifestations of acute and chronic leukaemias? Describe the treatment protocol for acute myeloblastic leukemia. 4. Give the clinical manifestations, classification and management of chronic leukemias.	acute myelogenous leukemia 2. Describe the clinical manifestations and management of acute lymphocytic leukemia 3. Discuss the role of hematopoietic stem cell transplantation in management of leukemias 4. Discuss common therapeutic problems in management of leukemias	2.
Management of CINV	1. Classify chemotherapy induced nausea and vomiting. Explain its management.	1. Describe the effective management of nausea and vomiting in cancer patient. 2. Write the complications and management of chemotherapy induced nausea and vomiting. 3. Write a short note on chemotherapy induced emesis	1. W 2. W

Chapter 5: Dermatology

Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Essays (5 Marks)
Psoriasis			1. Exp in t 2. Na of p 3. WH psc 4. Wr pha psc 5. WH

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Topic	Long Essays (10 Marks)	Short Essays (5 Marks)	Short Questions
			psc 6. Top 7. Ad trea 8. Ad cor 9. Ro 10. WH
Eczema			1. Wr of c 2. Ent syn 3. Top 4. Ent 5. Ent ecz 6. Na ecz
Scabies & Impetigo			1. Ent syn 2. WH cau 3. Dru sca 4. Tre 5. Sig 6. Top 7. WH 8. Cla 9. Me Sca 10. Dia 11. Pre 12. Syn 13. Ro sca 14. Ro

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