



III rd PHARM D

PHARMACOTHERAPEUTICS – II (THEORY)

CHAPTERWISE IMPORTANT QUESTIONS

I. INFECTIOUS DISEASES:

A. BRIEF ANSWERS

1. Write briefly regarding immune response to tuberculosis infection and Pharmacotherapy to tuberculosis infection?
2. A) write note on HIV infections? B)
3. Pathogenesis of HIV infection and mechanisms of various drugs which inhibits cell cycle of HIV?
4. Discuss the general principles of treatment of AIDS? Write the dosing regimens and side effects of anti AIDS drugs?
5. Guidelines for the rational use of antibiotics?
6. Etiopathogenesis involved in tuberculosis?
7. Types of respiratory tract infections and its management?

B. SHORT ANSWERS

1. Write down the types of Pneumonia?
2. Management of gastroenteritis?
3. Write about the empirical therapy of common pathogens causing UTI?
4. Write about fungal infections, signs symptoms and management?
5. Discuss about the therapy of Tuberculosis?
6. Management of upper respiratory tract infections?
7. Write about the therapeutic management of Meningitis?
8. Clinical manifestations and treatment of meningitis?
9. Discuss the therapy and clinical manifestations of UTI?
10. Write the primary therapeutic agents used in the treatment of tuberculosis?
11. Write down the types of upper respiratory tract infections?
12. Guidelines for rational use of antibiotics?



13. Explain the pharmacotherapy of malaria?
14. Write about Gonorrhoea?
15. Common fungal opportunistic infections in HIV?
16. Classes common pathogens and initial treatment of chronic bronchitis?
17. Therapeutic management of Gonorrhoea?
18. Prophylaxis of Malaria?
19. Discuss the management of fungal disease?
20. Clinical presentation of Pneumonia?
21. Prevention of Hepatitis infection?
22. Treatment for bronchitis?
23. Management of syphilis?
24. How meningitis is investigated and treated?
25. Septicemia
26. Management involved in septicemia?
27. Write short notes on rational use of antibiotics?
28. Examples for Viral infections?
29. Etiopathogenesis involved in urinary tract infection?
30. Antimalarial drugs?
31. Brief note on opportunistic infections in HIV and its management?

II. MUSCULO SKELETAL DISEASES:

A. BRIEF ANSWERS

1. Write the types of Gout, write about the drugs used in the treatment of Gout?
2. Discuss the pathophysiology of inflammation, use of anti-inflammatory agents especially in Rheumatoid arthritis?
3. Etiopathogenesis and management involved in Gout

B. SHORT ANSWERS

1. Explain the etiopathogenesis of osteoarthritis?
2. Disease modified anti rheumatic drugs?



3. Write a short note on drugs used in uric acid therapy
4. Write about the stages and clinical presentation of chronic renal failure?
5. Explain the etiopathogenesis and pharmacotherapy of spondylitis?
6. Write the pathogenesis of Gout?
7. Explain about antimalarial drugs with mechanism and its side effects?
8. Non-biological and biological disease modifying antirheumatic drugs?
9. Etiopathogenesis of Gout?
10. Etiology and management of gastroenteritis?
11. Types of syphilis and recommended drug regimens?
12. Drugs used in the management of osteoarthritis?
13. Pharmacological management of systemic lupus erythematosus?
14. Management of Spondylitis?
15. Colchicine in Gout?
16. Medications commonly used in the treatment of Osteoarthritis?
17. Pharmacotherapy in rheumatoid arthritis?
18. Management of SLE
19. Etiopathogenesis and clinical diagnosis involved in the Osteoarthritis?

III. RENAL SYSTEM

A. BRIEF ANSWERS

1. Write down the classes of acute renal failure and their therapeutic management?
2. Explain about the etiology and treatment of chronic renal failure?
3. Write a note on renal dialysis?
4. Pharmacotherapy involved in CRF?
5. Management involved in ARF?
6. Compare and contrast ARF versus CRF in terms of symptoms, complications and pharmacotherapeutics?

B. SHORT ANSWERS

1. Define and give etiology of acute renal failure?



2. Etiology and types of ARF?
3. Write note on Hemodialysis and peritoneal dialysis?
4. Causes of diuretic resistance and its management?
5. Renal disorder induced by NSAIDS and corticosteroids?
6. Diuretic resistance?
7. Example of Drug induced renal disorders?
8. Complications of chronic renal failure?

IV. ONCOLOGY

A. BRIEF ANSWERS

1. Write down the mechanism of action of commonly used antineoplastic agents?
2. Discuss the etiology, detection and diagnosis, chemotherapy of cancer and toxicities of chemotherapeutic agents?
3. Basic principles of cancer therapy?
4. Chemotherapy involved in breast cancer?
5. Management of chemotherapy involved nausea and vomiting?

B. SHORT ANSWERS

1. Explain the various therapies of early breast cancer?
2. Significance of cell cycle in cancer therapy?
3. Explain the interruptions of cell cycle activity induced by anti-cancer drugs?
4. Discuss about Leukemia?
5. Management of emesis induced by cancer therapy?
6. Pharmacotherapy of chronic myelogenous leukemia?
7. Stages of breast cancer?
8. Types of treatment for metastatic breast cancer?



V. DERMATOLOGY

A. BRIEF ANSWERS

- 1 A) Write briefly about Impetigo? B) Discuss about the etiology, classification, and therapeutic management of Eczema?
- 2 Clinical manifestations, diagnosis and management involved in psoriasis?

B. SHORT ANSWERS

- 1 Write about scabies and its treatment?
- 2 Stages and management involved in ezema?
- 3 Classify Psoriasis with clinical manifestations and diagnosis?
- 4 Drugs used in the treatment of Psoriasis?
- 5 Impetigo and its treatment?
- 6 Non pharmacological therapy of Psoriasis?
- 7 Drug treatment involved in scabies?
- 8 First line topical therapy for psoriasis
- 9 Phototherapy and photochemotherapy for psoriasis?