

12. a. Write notes on therapeutic drug monitoring and describe Indication, functions of therapeutic drug monitoring.
(or)
12. b. Write notes about dose response relationship.
13. a. Define local anaesthetics? Describe classification based on rout of administration. Mechanism of action.
(or)
13. b. Write notes on Actions and uses of prosta glandins.
14. a. Discuss in details about ACE (Angiotensin Converting Enzyme) inhibitions mechanism of action, uses and adverse effects.
(or)
14. b. NSAID classification and discuss detail about prototype drug (Aspirin).
15. a. Write a note on Oral anticoagulants (i) Mechanism of actions
(ii) Drug Toxicity
(iii) Adverse effects
(or)
15. b. Define Anemia? Discuss in detail about oral and parp entreval iron preparabias.

Part – C

5x12=60

Answer the following

Answer should not exceed 800 words or 4 pages

16. a. Define pharmacokinetics? Write notes on mechanism of transport of drug, and describe factors affecting absorption of drugs.
(or)
16. b. Define pharmacology? How the drug can be identified and describe the various source of drugs write with example.
17. a. Define pharmodynamics? Write details about principles of drugs action, mechanism of drug actions.
(or)
17. b. Write details on bioassay – definition, principles and types.
18. a. Define Antonomic Nervous System? Describe pharmacological action of Acetylcholine and give detail notes on Atropin – Indication, contra indication adverse reaction.
(or)
18. b. Classify skeletal muscle relaxant? Discuss in detail about neuro muscular junction. Write Indication contra indication, and adverse effect of Vecuronium or Atracumium.
19. a. Define Hypertension? Discuss in details about classification, mechanism of action of Anti hypertensive drugs(including adverse efforts)
(or)
19. b. Define myocardial Infarction? Discuss in detail about drug therapy for Myocardial Infarction (Ex – Antiplatelet, Antithrombotic, Thrombolytic, Betabloccuur)
20. a. Discuss in detail about Anti Tuberculosis drug
- Classification
 - Mechanism of action
 - Standard regimens for new TB paticut
 - Adverse reaction
- (or)
20. b. Describe (i) Anti coagulents agents
(ii) Thrombodytic agent
- Classification
 - Mechanism of actions
 - Uses, contra indication
 - Adverse actions