

Please check whether you have got the right question paper.

- N.B: 1. All questions are compulsory.  
2. Figures to the right indicates full marks

- Q1 (a)Answer the following:- 12  
i. Name two beta-lactamase inhibitors.  
ii. Discuss the use of sulphonamides in the treatment of burns.  
iii. Give example of calcineurin inhibitors used as immunosuppressants.  
iv. What are tissue plasminogen activators? State their clinical uses.  
v. What are emergency contraceptive pills?  
vi. Enlist types of insulin preparations.
- (b)Fill in the blanks 3  
i. ----- is an alpha glucosidase inhibitor.  
ii. ----- antibiotics produces ototoxicity.  
iii. ----- an iron chelator is used for the treatment of acute and chronic iron toxicity.
- Q2 (a)Answer any two of the following:- 8  
i. Classify penicillins. Elaborate on beta-lactamase resistant penicillins.  
ii. Classify anti-fungal drugs. Explain the mechanism of action, adverse effects and uses of ketoconazole.  
iii. Classify Anti-amoebic drugs. Discuss the adverse effects and indications for the use of metronidazole.
- (b). Answer any one of the following:- 3  
i. Explain rationale for the use of Cotrimoxazole.  
ii. Discuss the mechanism of action and use of streptomycin.
- Q3 (a)Answer any two of the following:- 8  
i. Classify oral hypoglycemic drugs and write a note on DPP IV inhibitors.  
ii. Enlist types of oral contraceptive drugs. Write a note on estrogens.  
iii. Discuss the pharmacotherapy of hypothyroidism.
- (b). Answer any one of the following:- 3  
i. Discuss the effect of insulin on carbohydrate metabolism.  
ii. Explain the role of vitamin D in maintaining bone mineral density.
- Q4 (a)Answer any two of the following: 8  
i. Discuss the pharmacology of clopidogrel.  
ii. Elaborate on clinical use of folic acid and vitamin B12 in megaloblastic anaemia.
- (b). Write a short note on any one:- 3  
i. Factors affecting iron absorption  
ii. Low molecular weight heparins

(P.T.O)

- Q5 (a) Answer any two of the following:- 8
- i. Enlist macrolide antibiotics. Discuss the actions, uses & side effects of Erythromycin.
  - ii. Classify anti-viral drugs. Write a note on protease inhibitors.
  - iii. Enlist anti-metabolites used in the treatment of cancer. Write a note on methotrexate.
- (b). Write short note on any one of the following:- 3
- i. Albendazole.
  - ii. Combination treatment of leprosy.
- Q6 (a) Answer any two of the following:- 8
- i. Classify immunosuppressants. Write a note on azathioprine.
  - ii. Give the pharmacological action, adverse effects and therapeutic uses of oxytocin.
  - iii. Discuss the use of bisphosphonates in the treatment of osteoporosis.
- (b). Write short note on any one of the following:- 3
- i. Chloroquine.
  - ii. Therapeutic regimens for the treatment of tuberculosis.

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