



- c. Vitamin D  
d. Parenteral infusion of phosphate
- XIII. Octreotide is a long acting synthetic analogue of:  
a. Prolactin  
b. Growth hormone  
c. Somatostatin  
d. Gonadotropin releasing hormone
- XIV. Plasma expanders are used in the following conditions except:  
a. Extensive burns  
b. Multilating injuries  
c. Congestive cardiac failure  
d. Endotoxin shock
- XV. Which of the following drugs is a H1 receptor agonist?  
a. 4-methyl histamine  
b. Impromidine  
c. 2-Thiazolyl ethylamine  
d. Chlorpheniramine
- XVI. The cellular mechanism action of digoxin is inhibition of \_\_\_\_\_.  
a. cAMP synthesis  
b.  $\beta$ -Adrenergic stimulation  
c. ATP degradation  
d. Sodium pump
- Q.2** (a) Classify antiarrhythmic drugs. Discuss the pharmacology of quinidine. **06**  
(b) Discuss the mechanism and pharmacological actions of digitoxin. **05**  
(c) Classify antihypertensive drugs. Explain mechanism and adverse effects of Captopril. **05**
- Q.3** (a) Classify diuretics according to potency. Discuss the mechanism and uses of furosemide. **06**  
(b) Explain the electrophysiology of heart. **05**  
(c) Write a note on plasma expanders. **05**
- Q.4** (a) Discuss the mechanism and uses of Amrinone, Spironolactone, Carbimazole. **06**  
(b) Write a note on 5-HT receptors. **05**  
(c) Discuss the pharmacological actions and uses of H1 blocker drugs. **05**
- Q.5** (a) Discuss the mechanism and uses of Desmopressin, warfarin, Atorvastatin. **06**  
(b) Discuss the various types of DMARDs. Explain any one in details. **05**  
(c) Define bioassay. Explain various types of it. **05**
- Q. 6** (a) Classify oral hypoglycemic agents. Explain the mechanism, uses and adverse effects of metformin. **06**  
(b) Write a note on SERMs. **05**  
(c) Write a note on oral contraceptives. **05**
- Q.7** (a) Classify NSAIDs. Discuss the complete pharmacology of aspirin. **06**  
(b) Enlist the various methods for bioassay of Insulin. Explain any one in detail. **05**  
(c) Discuss the mechanism and uses of Alteplase, allopurinol, nitroglycerine. **05**

\*\*\*\*\*