

Roll No.

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Total No. of Pages : 01

Total No. of Questions : 08

M.Sc. (Pharmaceutical Chemistry) (Sem.-2)

CHEMISTRY OF DRUGS-I

Subject Code : MSPC-106

Paper ID : [F0271]

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTION TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries SIXTEEN marks.

1. Discuss the mode of action and clinical uses of following drugs
 - a) Digoxin 8
 - b) Levodopa 8
2. a) Explain drug metabolism reactions. 8
b) Write a note on thiazide diuretics. 8
3. Give the chemical structure of following drugs :
 - a) Mannitol 4
 - b) Atropine 4
 - c) Adrenaline 4
 - d) Glutethimide 4
4. Discuss the structure activity relationship of antihypertensive agents. 16
5. What are estrogens? Draw the structure and biosynthetic pathway of estradiol. 16
6. Write notes on :
 - a) Anabolic steroids 7
 - b) Antiulcer agents 9
7. Define arrhythmia. Classify antiarrhythmic agents. Give the scheme for the synthesis of lidocaine. 16
8. Discuss briefly :
 - a) Adjuvants to general anesthetics 8
 - b) Clinical uses of beta blockers 8