

Roll No.

Total No. of Pages : 02

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

CHEMISTRY OF DRUGS-I

Subject Code : MSPC-106

M.Code : 20507

Date of Examination : 06-07-22

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) Barbiturates 8
 - b) Levodopa 8
2.
 - a) Explain drug metabolism reactions. 8
 - b) Write a note on antiulcer agents. 8
3. Give the chemical structure of following drugs :
 - a) Mannitol 4
 - b) Propranolol 4
 - c) Acetylcholine 4
 - d) Glutethimide 4
4. Give the name of different pharmacophores identified for diuretic agents. Discuss the structure activity relationship of any one class in detail. 16
5. Name the hormones released by thyroid gland? Discuss in detail the biosynthesis of thyroid hormones. 16

6. Write notes on :
- a) Thiazide diuretics 7
 - b) Sulfonylureas 9
7. What are local anesthetics? Classify them. Give the synthesis of lidocaine along with its clinical applications. 16
8. Discuss briefly :
- a) Fat soluble vitamins and their structure 8
 - b) Theories of general anesthesia 8

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.