

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

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

PHARMACOLOGY

Subject Code : CHL-416B

M.Code : 74887

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. Question No.1 is compulsory
2. Attempt ALL questions from SECTION-B and any TWO from SECTION-C.

SECTION-A

1. Write briefly :

- a) Define with example chemotherapeutic agent.
- b) What are ion channel receptors? Give example.
- c) What is antagonism? Name various types of drug antagonism.
- d) What is total lung capacity?
- e) What Mitosis and meiosis?
- f) What is pharmacokinetic?
- g) Define with antidote with examples.
- h) What is bioavailability? Name two factors affecting bioavailability.
- i) Highlight difference between ointments and creams.
- j) What are acute and sub-acute toxicity tests?

SECTION-B

2. Describe physiology of skeletal muscle contraction.
3. Write a note on gaseous exchange in lungs.
4. Describe various methods to identify types of Emulsions.
5. Add a brief note on Aerosol dosage forms.
6. Write a note heavy metal poisoning and its treatment.
7. Indicate various types of receptors and add a note on G-protein coupled receptors.

SECTION-C

8. What is drug absorption? Discuss various factors that affect drug absorption.
9. Write an exhaustive note on general principle of management of a case of poisoning.
10. Discuss structure of kidney and explain various functions of the kidney.

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.