

Roll No.

Total No. of Pages : 02

Total No. of Questions : 19

M.Sc. (Chemistry) PIT (2015 to 2017) (Sem.-2)

PHARMACOLOGY

Subject Code : CHL-416B

Paper ID : [74887]

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying FIVE marks each and students have to attempt ALL questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

- Q1 What is LD50? Indicate significance of LD50.
- Q2 What are official books? Name two official books of Pharmaceutical literature.
- Q3 What is total lung capacity?
- Q4 Highlight functions of Skeleton.
- Q5 Name bones of upper limb.
- Q6 What is pKa value and its significance?
- Q7 Define pharmacokinetics.
- Q8 Define bioavailability and mention any two factors affecting it.
- Q9 What is antidote? Give examples.
- Q10 Give examples of two G-protein coupled receptors.

SECTION-B

- Q11 Write a note on nervous tissue.
- Q12 Write a note on suspensions.
- Q13 Add note on factors affecting drug absorption.
- Q14 Describe process of gaseous exchange and transport in blood.
- Q15 Write a note on ion-channel receptors.
- Q16 What are emulsions? Mention various types of emulsions, add a note on various methods employed to identify types of emulsions.

SECTION-C

- Q17 Classify various routes of drug administration and discuss in detail about parenteral routes.
- Q18 Outline general principles involved in the clinical management of a case of poisoning.
- Q19 Discuss critically about process of urine formation by kidneys.