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Total No. of Pages : 02

Total No. of Questions : 19

M.Sc. (Clinical Research) (2018 Batch) (Sem.-1)

PHARMACOLOGY

Subject Code : MSCR-103-18

M.Code : 75607

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 FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A

Answer briefly :

Q1 What are Receptors? Give examples of two receptors.

Q2 Give two examples of secondary messengers.

Q3 What is DRC? Highlight significance of toxicology.

Q4 Define ED 50 & LD 50.

Q5 What is Drug Antagonism? Mention any two types of antagonism.

Q6 What is Toxicology? Indicate various branches of toxicology.

Q7 Mention various types of ADRs.

Q8 What is learned helplessness?

Q9 What is Sub-Acute Toxicity? Indicate the aim of sub-acute toxicity study.

Q10 What is Atropine?

SECTION-B

Q11 Write a note on factors affecting mechanism of drug action.

Q12 Add a note on bioassay.

Q13 Explain tail suspension test for screening of anti-depressants.

Q14 Add a brief note on neurohumoral transmission in ANS.

Q15 Add a note on mutagenicity.

SECTION-C

Q16 Write an exhaustive note on chronic toxicity studies.

Q17 Write a critical note on therapeutic drug monitoring.

Q18 Classify animal models of diabetes and describe chemically induced diabetes.

Q19 Discuss pharmacology of adrenergic drugs.

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.