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Total No. of Pages : 02

Total No. of Questions : 10

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

1. Answer briefly :

- a) Teratogenicity
- b) Difference between synergism and antagonism
- c) EC50 and LC50
- d) Subacute toxicity
- e) Clinical uses of alpha blockers.
- f) Second messengers
- g) Any one animal model of hypertension.
- h) The problems in extrapolating data from animals to humans.
- i) Anticholinesterase
- j) Biotransformation of toxicants

SECTION-B

2. Classify cholinergics. Write there clinical uses.
3. Define Therapeutic Drug monitoring.. What are the significance of TDM?
4. Define Bioassay. Describe interpolation Bioassay.
5. Discuss briefly pharmacodynamic drug interactions with the help of suitable examples.
6. Differentiate between sympathetic and parasympathetic nervous system.

SECTION-C

7. Define Bioassay. Describe different types of bioassays with suitable examples.
8. Discuss in general neurohumoral transmission with the help of example.
9. Answer the following :
 - a) Mutagenicity studies
 - b) Chronic toxicity
10. Write notes on following :
 - a) Alloxan induced diabetes
 - b) Morris water maze

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.