

Question Paper

Exam Date & Time: 24-Nov-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal MPharm Theory End-Semester Examinations.

Advanced Pharmacology I [PHA-MPL102T]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

Answer the following (10 marks x 5 = 50 marks)

- 1) With the help of a diagram explain the different drug targets to regulate adrenergic neurotransmission. (10)
- 2) Explain how therapeutic modulation of cardiovascular system can be used to manage hypertension. (10)
- 3) Classify the drugs for epilepsy based on the therapeutic utility? Explain the mechanism of action of different classes of anti-epileptic drugs. Explain the reasons for any three adverse effects of Phenytoin. (10)
- 4) Describe the mechanism of action of anticholinesterases. Enumerate their therapeutic uses. Explain how their toxicity can be overcome. (10)
- 5) With appropriate pictures describe the targets for G-Proteins and the implicated signal transduction mechanisms (10)

SECTION - B

Answer all the questions.

Answer the following (5 marks x 5 = 25 marks)

- 6) Explain how warfarin interferes with blood coagulation (5)
- 7) What is the importance of loading dose in achieving steady state plasma concentration of drugs. (5)
- 8) Giving examples, list the uses of serotonergic drugs. (5)
- 9) Explain the mechanism of action, therapeutic uses and adverse effects of chlorpromazine. (5)
- 10) With a neat diagram, explain the mechanism of action of Lignocaine. Why these are ineffective in infected area. (5)

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