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MPL 102 T

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2023

M.Pharm. 1st Semester End-Term Examination

ADVANCED PHARMACOLOGY - I

(New Regulation)

Full Marks - 75

Time - Three hours

The figures in the margin indicate full marks for the questions.

SECTION - A

1. Answer *all* the questions : (10 × 2 = 20)
- (a) Receptor occupation theory
 - (b) Enzyme inhibition
 - (c) Metabolism
 - (d) Principles of Pharmacodynamics
 - (e) Linear Pharmacokinetics
 - (f) Protein binding
 - (g) Quantification of drug receptor
 - (h) Types of epilepsy
 - (i) Types of hypertension
 - (j) Hematinics.

SECTION - B

2. Answer any *seven* questions : (7 × 5 = 35)
- (a) Write brief notes on Opioid receptors.
 - (b) Classify local anaesthetics.
 - (c) Discuss the pathological role of histamine.
 - (d) Write a short note on neurodegenerative disorders.

[Turn over

- (e) Explain about G-protein couple receptor.
- (f) Discuss the mechanism of action of anticoagulants.
- (g) Write a short note on non narcotic analgesics.
- (h) Discuss the role of acetylcholine as neurotransmitter.
- (i) Discuss the pharmacology of sympathomimetics.

SECTION – C

3. Answer any *two* questions :

(2 × 10 = 20)

- (a) Write elaborately on various dynamics of Pharmacokinetics.
 - (b) What is anxiety? Discuss its treatment in details.
 - (c) Write notes on any *two* of the following
 - (i) Anti-arrhythmics.
 - (ii) Serotonin.
 - (iii) 5 HT antagonists.
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