
Total number of printed pages-3

34 (2) PHAR 2·2

2021

(Held in 2022)

PHARMACOLOGY

Full Marks : 80

Time : Three hours

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

1. Essay type : ***(any two)*** 10×2=20
- (a) Define pharmacodynamic. Describe the various mechanisms for systemic action of drug. What are the factors that modify drug action ?
 - (b) Classify peripheral muscle relaxant drugs. Describe MOA, pharmacological effects; pharmacokinetics, uses and adverse effect of chlorzoxazone.
 - (c) What are the drugs used in peptic ulcer syndrome ? How do they produce their effects ?

Contd.

2. Short essay type : **(any eight)** 5×8=40

- (a) Describe the pharmacological effects of adrenaline.
- (b) Classify anticoagulants. Mention their uses.
- (c) Describe the mechanism of action of loop diuretics.
- (d) Discuss drug receptors.
- (e) Classify non-narcotic analgesics.
- (f) Write the names of Beta-blockers drugs. How do they produce their effects ?
- (g) What are the sources of drug ?
- (h) What are the different parenteral routes of drug administration ? Mention their advantages and disadvantages.
- (i) Define enema and suppository. Mention their route of administration.
- (j) What is iatrogenic effect of drug ? Give some examples.

3. Very short essay type : 2×10=20

- (a) Define prodrug.
- (b) Therapeutic uses of nitrates.
- (c) What is bioavailability of drug ?
- (d) Define hypnotics.
- (e) Route of administration of insulin.
- (f) Adverse effects of salicylate.
- (g) Drug of choice for myasthenia gravis.
- (h) Define drug.
- (i) Mechanism of action of paracetamol.
- (j) Drug interaction.