

2021

PHARMACOLOGY

Paper—I

Full Marks : 40

Time : 2 hours

Answer all questions

The figures in the right-hand margin indicate marks

SECTION—A

1. What are the various mechanisms of drug action on body ? Write a note on G-Protein coupled receptors. 2 + 2
2. Write short notes on : 2 × 4
 - (i) Cyclopentolate
 - (ii) Kinetics of elimination

(Turn Over)

(2)

(iii) Components Rational Prescribing

(iv) Esmolol.

3. Write therapeutic basis of use of 2 × 4

- (a) Aspirin as antiplatelet agent
- (b) Dinoprostone (PGE₂) for induction of labour
- (c) Colchicine in acute gouty arthritis
- (d) Esomeprazole in GERD.

SECTION – B

4. Classify anti-parkinsonian drugs. Add a note on peripheral Dopa-decarboxylase inhibitors. 2 + 2

5. Compare and contrast between : 2 × 4

- (a) Physical dependence and Psychological dependence
- (b) Diazepam and Buspirone
- (c) Naloxone and methadone
- (d) Dopamine and Dobutamine.

(3)

6. Write therapeutic basis of use of 2 × 4

- (a) Inhalational budesonide in bronchial asthma
- (b) Propofol as anaesthetic inducing agent
- (c) Immunosuppressant in organ transplant therapy
- (d) Desferrioxamine in acute iron poisoning.