

T-20 (CV-II)

B.P.T. Examination, June-2021

PHARMACOLOGY

(BPT-202)

Time : 1½ Hours]

[Maximum Marks : 80

Note : (i) Attempt any **two** questions.

(ii) Parts of a question must be attempted in sequence and at one place only.

1. Classify drugs used in Parkinson's disease. Discuss the mechanism of action, adverse effects and therapeutic uses of Levodopa.
2. Classify β -blockers and discuss their therapeutic uses, side effects and contraindications.

3. Discuss the pharmacological basis for:
 - (a) Salbutamol use in bronchial asthma
 - (b) Sulphonylureas in Type II Diabetes Mellitus
 - (c) Low dose aspirin as antiplatelet drug
 - (d) Heparin as anticoagulant
4. Describe uses and adverse effects of the following:
 - (a) Glucocorticoids
 - (b) Lithium
 - (c) Diazepam
 - (d) Derapamil
5. Enumerate drugs used in the treatment of the following:
 - (a) Rheumatoid arthritis
 - (b) Angina Pectoris
 - (c) Peptic ulcer
 - (d) Constipation

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6. Write short notes on the following:
- (a) Teratogenicity
 - (b) Zero order kinetics of elimination of drugs
 - (c) d-tubocurarine
 - (d) Sodium nitroprusside
7. Write about:-
- (a) S/L route of drug administration
 - (b) COX-2 inhibitors
 - (c) Drug synergism
 - (d) Bioavailability
8. Enumerate drug used in the treatment of the following:
- (a) Bipolar disorder
 - (b) Grand mal epilepsy (GTC)
 - (c) Essential hypertension
 - (d) Anxiety

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9. Write short notes on the following:
- (a) Factors modifying drug action
 - (b) LMW Heparin
 - (c) Paracetamol
 - (d) Myasthenia gravis
10. Write short notes on the following:
- (a) Drug potency
 - (b) Tachyphylaxis
 - (c) Drugs used in Constipation
 - (d) Thiopentone Sodium

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