

BPHARM
(SEM V) THEORY EXAMINATION 2022-23
PHARMACOLOGY-I
(Pharmacology & Toxicology)

Time: 3 Hours

Total Marks: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. **Attempt all questions in brief.** **2 x 7 = 14**
- (a) Define a few major scopes of pharmacology.
 - (b) What is a drug?
 - (c) Explain the use of Lidocaine
 - (d) Classify local anesthetic with examples
 - (e) Define bioassay.
 - (f) What is antidote for opioid poisoning?
 - (g) Suggest the uses of disulfiram and benzodiazepines.

SECTION B

2. **Attempt any three of the following:** **7 x 3 = 21**
- (a) Classify the various types of receptors and explain their uses.
 - (b) Explain the various factors modifying drug action.
 - (c) Write short note on parasympathomimetic drugs.
 - (d) How will you manage patients reporting from poisoning of barbiturates and atropine?
 - (e) Classify various categories of skeletal muscle relaxants. Explain their mode of action with examples.

SECTION C

3. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Explain the various routes of drug administration. Suggest the advantages of various routes.
 - (b) Explain ADME process which a drug molecules undergo inside our system.
4. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Explain the various steps of new drug discovery.
 - (b) Explain ligand gated ion channel receptor
5. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Classify antipsychotic drugs and explain their mechanism of action with examples.
 - (b) Classify antiepileptic drugs and explain their mechanism of action with examples.

6. Attempt any *one* part of the following:

7 x 1 = 7

- (a) Write in detail about classification, pharmacological action and uses of atropine
- (b) Write in detail about classification, pharmacological action and uses of nicotine.

7. Attempt any *one* part of the following:

7 x 1 = 7

- (a) Classify drugs used to treat Parkinsonism. Write short note on Levodopa.
- (b) Write short notes on ganglion stimulants and ganglion blockers.

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