Printed Pages: 01 **Subject Code: BOP 354**

Paper Id: 150519 **Roll No:** | | | | | | | | | | |

B PHARM

(SEM-V) THEORY EXAMINATION 2018-19

PHARMACOLOGY-I (PHARMACOLOGY & TOXICOLOGY)

Time: 3 Hours ***Total Marks: 100***

Note: Attempt all Sections.

SECTION A

1. Attempt *all* questions in brief. **2 x 10 = 20**

a. Define Pharmacokinetics.
b. What are characteristics of the oral route?
c. Define partial agonist.
d. Write uses of Atropine.
e. Explain synergistic effect.
f. Define Poison.
g. What is universal antidote?
h. Write about secondary messenger in transducer mechanism.
i. Write a short note on ADR.
j. How sedatives differ from hypnotics?

SECTION B

2. Attempt any *three* of the following: **10 x 3 = 30**

a. Classify adrenergic receptors. Give detail about beta blockers.
b. Write about Ligand gated ion channel receptor.
c. Write about any two of the following:
[i] Tolerance [ii] Teratogenicity [iii] Iatrogenic diseases
d. Give pharmacology of d-tubocurarine.
e. General principles for treatment of poisoning.

SECTION C

3. Attempt any *one* part of the following: **10 x 1 = 10**

a. Classify synpathomimetics. Write pharmacology of adrenaline.
b. Write about mechanisms of drug action.

4. Attempt any *one* part of the following: **10 x 1 = 10**

a. Give brief account of skeletal muscle relaxants.
b. Mechanism of Action of General anaesthetics.

5. Attempt any *one* part of the following: **10 x 1 = 10**

a. Give idea about Atropinic drugs.
b. Write about bioassay.

6. Attempt any *one* part of the following: **10 x 1 = 10**

a. Write a short note on opioid analgesics.
b. Explore the tricyclic antidepressant.

7. Attempt any *one* part of the following: **10 x 1 = 10**

a. Write treatment of atropine poisoning.
b. Give brief about Heavy metal antagonists.

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