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BOP -354

Paper ID: 5 0 5 0

**BACHELOR OF PHARMACY
(SEM V) THEORY EXAMINATION 2017-18
Pharmacology-I (Pharmacology & Toxicology)**

*Time: 3 Hours**Total Marks: 100***Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt *all* questions in brief. 2 x10 = 20**
- a. Define the term bioassay.
 - b. What is competitive antagonism?
 - c. Define agonist and antagonist.
 - d. What is clearance?
 - e. Write down two examples of anti-cholinergic drugs.
 - f. Write down two examples of anti-adrenergic drugs.
 - g. What are local anaesthetics? Write one example of drugs of this category.
 - h. Write down the mechanism of action of imipramine?
 - i. Explain loading dose.
 - j. What are peripherally acting muscle relaxants? Write example.

SECTION B

- 2. Attempt any *three* of the following: 10 x 3 = 30**
- a. Write note on combined effects of drug.
 - b. Classify the sympathomimetic drugs. Write mechanism of action and pharmacological actions of these drugs.
 - c. Classify centrally acting muscle relaxants. Discuss the pharmacology of Mephenesin.
 - d. Classify antiepileptic drugs. Write down the complete pharmacology of phenytoin.
 - e. Explain in detail the general principles for the treatment of poisoning.

SECTION C

- 3. Attempt any *one* part of the following: 10 x 1 = 10**
- a. Describe in detail the types of biotransformation.
 - b. Discuss the types of bioassay in detail.
- 4. Attempt any *one* part of the following: 10 x 1 = 10**
- a. Classify the anti-adrenergic agent. Describe the pharmacology of alfa adrenergic blockers.
 - b. Write a note on Drug acting on autonomic ganglia.

- 5. Attempt any *one* part of the following: **10 x 1 = 10****
- a. Write a note on peripherally acting muscle relaxants.
 - b. Write the mechanism of action, side effect and uses of Thiopental Sodium.
- 6. Attempt any *one* part of the following: **10 x 1 = 10****
- a. Classify antianxiety drugs. Discuss the mechanism of action, pharmacological actions and side effects of diazepam.
 - b. Write down the pharmacological actions and therapeutic uses of opioid analgesics.
- 7. Attempt any *two* parts of the following: **5 x 2 = 10****
- a. Organophosphorous poisoning
 - b. Opioid poisoning
 - c. Barbiturates poisoning
 - d. Heavy metal antagonists