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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.

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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.

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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

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