



Paper id: 250712

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Subject Code: BP503T

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BPHARM
(SEM V) THEORY EXAMINATION 2024-25
PHARMACOLOGY II – THEORY

TIME: 3 HRS**M.MARKS: 75****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

a.	What is the mechanism of action of insulin?
b.	What is the primary effect of beta blockers on the heart?
c.	Give example and uses of plasma volume expanders.
d.	Write the mechanism of action of enalapril.
e.	What are fibrinolytics? Give its examples.
f.	What are NSAIDs? Name two selective COX-2 inhibitors.
g.	Classify drugs used in gout.
h.	Write the roles of Thromboxanes.
i.	What is Substance P?
j.	What is the primary mechanism of action of corticosteroids?

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

a.	Classify anti-arrhythmic drugs. Explain the mechanism of action of quinidine.
b.	Enlist Diuretic drugs. Give mechanism, Pharmacological action and uses of thiazides.
c.	Classify H1 receptor antagonists and give a comparative note on first generation and second generation anti-histaminic.

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

a.	Explain the role of prostaglandins.
b.	Explain the Pharmacology of anti-rheumatic drugs.
c.	Explain the principle and applications of bioassay.
d.	Write a detailed note on oral contraceptives.
e.	Discuss the pharmacology of estrogens and progesterone with mechanisms of action.
f.	Classify anti-coagulants. Discuss mechanism of action and uses of heparin.
g.	Describe the mechanism of action, side effects and uses of atorvastatin.