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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.	Define Re-entry and After depolarization.
b.	Classify fibrinolytics.
c.	Which dopamine analogue is used in CHF treatment?
d.	How thiazides act as anti-diuretics?
e.	What are the functions of plasma volume expanders?
f.	Which site of nephron impermeable for water and salts respectively?
g.	Enumerate somatostatin analogues with uses.
h.	Highlight the functions of Calcitonin and PTH.
i.	Enlist the types of bioassays.
j.	Which enzyme converts testosterone into estrogen?

SECTION B

2. Attempt any *two* parts of the following:

2 x 10 = 20

a.	Classify anti-arrhythmic drugs. Explain the pharmacology of Quinidine.
b.	Write the classification of diuretics. Explain the MOA, pharmacological actions, and adverse effects of loop diuretics.
c.	Classify antithyroid drugs. Discuss synthesis, release, and pharmacological actions of T3 and T4.

SECTION C

3. Attempt any *five* parts of the following:

7 x 5 = 35

a.	Write an exhaustive note on oral contraceptives.
b.	Briefly describe the cardiac electrophysiology.
c.	Explain the principle and applications of bioassay.
d.	Describe the drugs used for treatment of shock.
e.	Classify anticoagulants. Discuss the pharmacology of Warfarin.
f.	Write a note on hematinic.
g.	Discuss the pharmacology of colchicine.