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BPHARM
(SEM V) THEORY EXAMINATION 2025-26
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 hemodynamics.
b.	What is congestive heart failure?
c.	Name any two classes of antihypertensive drugs.
d.	Write any two adverse effects of beta-blockers.
e.	Define arrhythmia.
f.	What are diuretics?
g.	Define autacoids with one example.
h.	Name two non-steroidal anti-inflammatory drugs (NSAIDs).
i.	What is bioassay?
j.	Name any two oral hypoglycemic agents.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

a.	Classify anti-hypertensive drugs. Describe the pharmacology of ACE inhibitors in detail.
b.	Explain the classification, mechanism of action, therapeutic uses, and adverse effects of anti-arrhythmic drugs.
c.	Explain the classification, mechanism of action, therapeutic uses, and adverse effects of NSAIDs.

SECTION C

3. Attempt any five parts of the following:

7 x 5 = 35

a.	Describe the pharmacology of drugs used in the treatment of congestive heart failure.
b.	Explain the classification, mechanism of action, and therapeutic uses of diuretics.
c.	Discuss histamine and its antagonists with suitable examples.
d.	Write a note on insulin and oral hypoglycemic agents.
e.	Explain the pharmacology of thyroid hormones and antithyroid drugs.
f.	Write a note on thyroid hormones.
g.	Write the bioassay of histamine or insulin.