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**BPHARM**  
**(SEM V) THEORY EXAMINATION 2023-24**  
**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.	Enumerate the antiplatelet drugs.
b.	Define effective refractory period and action potential duration.
c.	Write the mechanism of colchicine.
d.	Define autacoids.
e.	What are the functions of plasma volume expanders?
f.	Write the mechanism of action of Furosemide.
g.	Enlist the antihistaminic drugs with reference to their receptors.
h.	Write the natural anticoagulant present in blood.
i.	Classify fibrinolytics.
j.	Write the treatment of hypertension.

**SECTION B**

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

**2 x 10 = 20**

a.	Classify NSAIDs. Explain the mechanism, pharmacological action, and uses of Indomethacin.
b.	Write the classification of drugs for CHF. Describe pharmacology of Digoxin in detail.
c.	Describe the hemodynamic features and electrophysiology of heart.

**SECTION C**

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

**7 x 5 = 35**

a.	Write an exhaustive note on anabolic steroids.
b.	Describe briefly the bioassays of Insulin and Oxytocin.
c.	Explain the substances used as hematinic.
d.	Write the principle and application of bioassay.
e.	Classify anti-diuretics. Write the mechanism of thiazide as anti-diuretic.
f.	Illustrate the mechanism of nitric oxide as antianginal drug with suitable diagram.
g.	Enlist the drugs used for the treatment of different types of shock.