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**B PHARM**  
**(SEM V) THEORY EXAMINATION 2022-2023**  
**PHARMACOLOGY-II**

*Time: 3 Hours*

*Total Marks: 75*

**Note:** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

- 1. Attempt all questions in brief. 2 x 10= 20**
- a. Define inotropic agents with suitable example.
  - b. Write mechanism of action and uses of statins.
  - c. Give example and uses of plasma volume expanders.
  - d. Write mechanism of action and uses of streptokinase.
  - e. Write a short note on 5-HT antagonists.
  - f. Write uses of prostaglandin analogues.
  - g. Enlist hormones regulating plasma calcium level.
  - h. How thyroid hormones play a crucial role in metabolism?
  - i. What do you mean by Tocolytics?
  - j. Highlight the advantages of multiple point bioassay.

**SECTION B**

- 2. Attempt any two parts of the following: 10 x 2 = 20**
- a. Illustrate pharmacology of anti-hypertensive drugs and design drug therapy for management of hypertension during pregnancy.
  - b. Classify NSAIDs and explain pharmacology of aspirin.
  - c. Explain pharmacology of oral hypoglycemic agents.

**SECTION C**

- 3. Attempt any five parts of the following: 7 x 5 = 35**
- a. Classify anti-arrhythmic drugs and discuss the role of digitalis in arrhythmia.
  - b. Classify anti-coagulants. Discuss mechanism of action and uses of heparin.
  - c. Classify diuretics and describe pharmacology of loop diuretics.
  - d. Classify H receptor antagonists and give a comparative note on first generation and second generation anti-histaminic.
  - e. Outline pharmacology of glucocorticoids.
  - f. Describe the principles and applications of bioassay.
  - g. Discuss pharmacology of oral contraceptives.