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Sub Code: BP503T

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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-HT₃ 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 H₁ 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.