Printed Pages: 1 **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-HT_3 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_1 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.

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