Printed Pages: 02

BH-BP-501

Bachelor Of Pharmacy

Fifth Semester Examination, 2022

Paper-First

(Medicinal Chemistry-II)

Time Allowed: Three Hours

Maximum Marks: 75

SECTION - A

Note: Attempt all questions. Each question carries two mark. **(10 x 2= 20)**

Q. 1. Objective Type Questions:

i. What are histamines? Mention any two of their biological functions

ii. Draw the chemical structure of Diphenhydramine Drug. What is their mode of action?

iii. Define anesthetic agents? Give two examples.

iv. What are antihistamines? Give two examples.

v. What are structural analogues? Give two examples.

vi. What is meant by insulin-dependent diabetes?

vii. Write two uses of Ranitidine.

viii. Give the structure of methyledopa and write its uses.

ix. Give the formula of benzoic acid. Mention any two derivatives of benzoic acid and write their functions.

x. Draw the chemical structure of Testosterone.

SECTION - B

Note: Attempt any seven questions. Each question carries 5 marks. 7x5=35

Q. 2. Short Answer Type Questions:

i. Write note on vasodilators.

ii. Explain the oral contraceptive drugs.

iii. Write notes on anticoagulants agents.

iv. Write the SAR of Oestradiol.

v. Write notes on antithyroid drug.

vi. Write SAR & uses of Thiazides drug.

vii. Describe the mode of action of diuretic drugs.

viii. Discuss Calcium channel blockers agents.

SECTION - C

Note: Attempt any two questions. Each question carries 10 marks. 10x2=20

Q. 3. Long Answer Type Questions:

i. What are antihypertensive agents? Give structural classification of antihypertensive agents with SAR of each class.

ii. Define antidiabetic agents. Give structural classification and SAR & synthesis of antidiabetic agents.

iii. What do you mean by antianginal agents? Write synthesis, SAR & synthesis of isosorbide dinitrate.