

B. Pharm. 3rd year 1st Semester Examination 2023

Subject: Pharmacology II

Ref. No.: Ex/BP503T/2023

Time: 03 hrs Full Marks: 75

SECTION A (25 marks)

(Question 1 and 2 are compulsory, attempt any one out of Question 3 or 4)

Q1) Write in details about the clinical hypothesis believed to be responsible for development of "Nitrate Tolerance". (10)

Q2) Explain how Beta Blockers helps remodeling of heart when used for management of Heart Failure. (7)

Q3) Explain with examples the mechanism of action for Calcium Channel Blockers in the management of Hypertension. (8)

OR

4) Write in details with examples about the Sicilian Gambit classification of anti-arrhythmic drugs. (8)

SECTION B (25 marks)

Q5) Write down the synthesis, storage, release and metabolism of thyroid hormone. Write in details about hyperthyroidism and its management. (9+6=15)

Q6) Write notes on (**any one**) (10)

a. Regulation of insulin secretion

b. Integrated hormonal control of the female reproductive system.

SECTION C (25 marks)

Q7) Discuss the biosynthesis and physiological functions of prostaglandins. (5+4)

Q8) Briefly discuss the mode of action and adverse effects of Aspirin. (4+4)

Q9) Discuss the mode of action and adverse effects of the following drugs (**any two**): (4+4)

a) Hydrochlorthiazide b) Furosemide c) Spironolactone d) Acetazolamide