

B.Pharm III Year II Semester (R13) Supplementary Examinations December 2017

PHARMACOLOGY – II

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Give a note on the calcium and potassium influence on digitalis toxicity.
 - (b) Discuss the mechanism of action of diazoxide.
 - (c) Give a note on the rennin role in the development of hypertension.
 - (d) Why urokinase or tissue type plasminogen activators are preferred when repeated administration is required.
 - (e) Why vitamin K1 deficiency prolongs the prothrombin time.
 - (f) Give a short note on anti-diuretics.
 - (g) Write short notes on antitussives.
 - (h) How thromboxane A2 is synthesized and what type of effect it produces?
 - (i) Explain the pharmacological effects produced by 5HT₃ receptors activated.
 - (j) Discuss how sulphonylurea derivatives act.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 What is CHF? Discuss in detail the pharmacology of Digoxin.
- OR**
- 3 What is hypertension? Classify anti-hypertensive drugs and give a detailed note on pharmacology of drugs acting on RAS.

UNIT – II

- 4 Give a note on anticoagulant activity of Heparin and Warfarin. Write note on plasma expanders.
- OR**
- 5 Discuss in detail about fibrinolytics and antifibrinolytic drugs.

UNIT – III

- 6 What are diuretics? Classify diuretics as per site of action on the renal tubules. Give note on pharmacology of loop diuretics and K⁺ sparing diuretics.
- OR**
- 7 What is asthma? Give a brief notes on pathophysiology of asthma. Classify and discuss the pharmacology of bronchodilators.

UNIT – IV

- 8 What are prostaglandins? Give a note on the various types of prostaglandins present in the system and their therapeutic application.
- OR**
- 9 What is Renin-Angiotensin system and describe the pharmacology of Angiotensin-II antagonists?

UNIT – V

- 10 Write notes on:
- (a) Uterine muscle relaxants.
 - (b) Oral contraceptives.

OR

- 11 Write notes on:
- (a) Sulphonylurea derivative and their pharmacology.
 - (b) Oral contraceptives.