

BACHELOR OF PHARMACY EXAMINATION, 2023

(1st Year, 2nd Semester)

PATHOPHYSIOLOGY

Time : Three hours

Full Marks : 75

GROUP – A (25 marks)

Q1)

- a) Why Blood Pressure is necessary?
- b) Define Hypertension.
- c) Relate kidney failure with chronic hypertension.
- d) Whether Higher or Lower --Heart Rate is related to Systolic Hypertension – Explain?
- e) Brief about development of Left Ventricular Hypertrophy due to chronic hypertension. **(5x5=25)**

GROUP – B (25 marks)

Q2) Define pathology. Write down the different subdivision of Pathology. **(10)**

Q3) Write notes on Pathophysiology of (*any two*) **(7.5x2=15)**

- a. Thyroid disorder.
- b. Bronchial asthma
- c. Peptic ulcer

GROUP – C (25 marks)

Q4) What is cellular adaptation and what are the different types of adaptive responses? Explain briefly the following terms: **(4+12=16)**

- a) Hypertrophy
- b) Hyperplasia

Q5) Write short note on the following (*any three*) **(3x3=9)**

- a) Pathogenesis
- b) Atrophy
- c) Metaplasia
- d) Etiology