

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[B.PHARM 0524]

MAY 2024

Sub. Code: 2020

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER II
PAPER IV – PATHOPHYSIOLOGY**

Q.P. Code: 562020

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Explain the role of inflammatory mediators and its importance in tissue injury and healing.
2. What is hypertension? Write its etiology and management of hypertensive disorders.
3. Define Anemia. Explain different types of anemia.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. What is meant by chemoattractant property?
2. Explain intercellular accumulation property of a cell.
3. Write the management of congestive cardiac failure.
4. Classify diabetes. How stress contributes in diabetes pathology?
5. Write a note on irritable bowel syndrome.
6. What are the contributing pathological factors of Gout?
7. State the factors induce cancer.
8. What are infectious diseases? Give the causative organism and management of TB.
9. Write a note on AIDS.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What is mean by vascular permeability?
2. Define the term a) Hypertrophy b) Metaplasia.
3. What is mean by ejection fraction? Write its normal value.
4. How peripheral resistance contributes to hypertension?
5. Why apoptosis is important?
6. Write the management of megaloblastic anemia.
7. State the role of 5HT in depressive disorder.
8. What is mean by autoimmune disorders? Give one example.
9. Write the causative organism and symptoms of typhoid fever.
10. What is mean by cardiac output and venous return?
