

**B.Pharm. Third Semester (C.B.S.) Examination**  
**PATHOPHYSIOLOGY AND CLINICAL BIOCHEMISTRY**  
**(Pathophysiology of Common Diseases)**  
**Paper—3 (3-T-3)**

Time : Three Hours]

[Full Marks : 80

**N.B.** :— (1) Question No. 1 is compulsory.

(2) Solve any **FOUR** questions from the remaining.

(3) Draw neat labeled diagram wherever necessary.

1. Solve any **FIVE** of the following :—

(a) Explain mechanism for cell injury.

(b) Explain diagnostics test used for Guffric Function.

(c) Differentiate between Apoptosis and Necrosis.

(d) Write notes on Kwashiorkar and Marasmus.

(e) Write about Glycogen storage diseases.

(f) Differentiate between Acute and Chronic Inflammation.

(g) Write in brief pathophysiology of Malaria.

5×4=20

2. (a) Give detailed account of Renal Function test and Liver Function test.

10

(b) Write pathophysiology of leprosy.

5

3. (a) Write analytical, therapeutic and diagnostic uses of clinical biochemistry.

10

(b) Describe disorders associated with urea cycle.

5

4. Explain in detail about diseases related to carbohydrate and lipid metabolism.

15

5. (a) Explain etiology, pathogenesis and complication of peptic ulcer.

10

(b) Write pathophysiology of Parkinsonism.

5

6. Write in detail about vascular and cellular events in acute inflammation.

15

7. Write short notes on pathophysiology of the following diseases (any **TWO**) :—

(a) AIDS

(b) Angina Pectoris

(c) Asthama

(d) Diabetes Mellitus.

15