

**Third Semester Examination for the Degree
of Bachelor of Pharmacy**

**PATHOPHYSIOLOGY AND CLINICAL
BIOCHEMISTRY**

3-T-3

Time : Three Hours]

[Max. 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 **Four** of the following :—
 - (a) Explain the pathophysiology of asthma.
 - (b) Describe the cellular ageing.
 - (c) Explain the process of wound healing and repair.
 - (d) Describe the tests involved in Renal function.
 - (e) Comment on disorders of various amino acids.
 - (f) Write about the pathophysiology of Parkinsonism.
4×5=20
2. Explain the various causes of cell injury and mechanism of cell injury. 15
3. Define inflammation and describe in detail the vascular and cellular events occurring in acute inflammation. 15

4. Explain in detail the pathophysiology of Ischemic heart diseases. 15
5. (a) Explain in detail therapeutic and diagnostic uses of enzymes. 7
(b) Comment on the disorders associated with the carbohydrate metabolism. 8
6. Give detailed account on pathophysiology of Diabetes Mellitus. 15
7. Write short notes on any **Two** :—
 - (a) Liver function test.
 - (b) Mediators of inflammation.
 - (c) Types of neoplasm. 7.5 × 2 = 15