

NTK/KW/15/6983

Faculty of Pharmacy

B.Pharm. Third Semester (C.B.S.) Examination

**PATHOPHYSIOLOGY AND CLINICAL
BIOCHEMISTRY**

(Pathophysiology of Common Diseases)

Paper—III

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 diagrams wherever necessary.

1. Answer any **FIVE** questions :

- (a) Write a note on Apoptosis.
- (b) Explain the process of wound healing.
- (c) Explain the term :
 - (i) Atrophy
 - (ii) Hypertrophy

- (iii) Metaplasia
- (iv) Dysplasia.
- (d) Enlist methods to diagnose cancer and explain any two.
- (e) Give diagnostic uses of enzymes.
- (f) Explain pathophysiology of Malaria.
- (g) Explain cellular ageing. $4 \times 5 = 20$
2. Define cell injury. Explain the pathological changes in ischemia and hypoxia. 15
3. Define Inflammation and give its types. Explain the events occurring in acute inflammation. 15
4. (a) Give detailed account on Tuberculosis. Explain its types and pathogenesis. 10
- (b) Classify and describe the histopathology of leprosy. 5
5. (a) Explain the pathophysiology of ischemic heart disease. 10
- (b) Write a note on peptic ulcer. 5
6. (a) Explain molecular basis of cancer. 10
- (b) Comment on obesity. 5

7. Write notes on any **three** :

- (a) Morphology of Reversible cell injury.
- (b) Mediators of Inflammation.
- (c) Liver function tests.
- (d) AIDS
- (e) Diabetes Mellitus.

$5 \times 3 = 15$