

**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. 4×5=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.

5×3=15