

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

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) Question No. 1 is compulsory.

(2) Attempt any **four** questions from remaining.

(3) Draw neat labelled diagrams wherever necessary.

1. Solve any **four** of the following :

(a) Differentiate between apoptosis and necrosis.

(b) Explain the process of repair.

(c) Comment on galactosemia.

(d) Describe the types of epilepsy.

(e) Explain different causes of cell injury.

(f) Enumerate causes of rheumatoid arthritis.

4×5=20

2. (a) Discuss in detail about mechanism of reversible and irreversible cell injury.

8

(b) Write on cellular adaptation of growth and differentiation.

7

3. Explain in brief about mechanism involved in the process of inflammation.

15

4. (a) Write a detail account on cell derived and plasma derived mediators.

8

(b) Explain experimental cellular senescence of cellular ageing.

7

5. Define and classify hypertension. Add a note on its non-pharmacological management.

15

6. Explain pathogenesis of asthma and chronic obstructive pulmonary disease.

15

7. Write short notes on any **two** :-

(a) Renal Function Test

(b) Congestive heart failure

(c) Diabetes mellitus.

7.5×2=15