



NKT/KS/17/6554

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

NXO—12536

