



PATHOPHYSIOLOGY AND CLINICAL BIOCHEMISTRY

(Pathophysiology of Common Diseases)

Paper—3

Time : Three Hours]

[Maximum Marks : 80

- N.B. :—** (1) Question No. **1** is compulsory.
 (2) Attempt any **four** questions out of remaining.
 (3) Draw neat labelled diagram wherever necessary.

1. Solve any **four** of the following :
 - (a) Discuss in brief the mechanisms of cell injury.
 - (b) Comment on inflammatory mediators.
 - (c) Explain pathophysiology of pneumonia.
 - (d) Explain in brief about Kwashiorkor disease.
 - (e) Comment on Liver functions tests.
 - (f) Explain the cellular Senescence. 4×5=20
2. Explain in detail about the process of inflammation. Differentiate acute and chronic inflammation and explain the process of repair. 15
3. (a) Discuss in detail about the pathophysiology of hyperlipidemia. Comment on the role of obesity with other disorders. 10
 (b) Discuss the use of enzymes in diagnostic procedures. 5
4. (a) Explain in detail about the pathophysiology of myocardial infarction. 10
 (b) Comment on congestive heart failure. 5
5. (a) Explain the different pathological aspects involved in acute and chronic renal failure. 10
 (b) Write short note on Asthma. 5
6. (a) Explain in detail about the disorders related with urea cycle. 10
 (b) Comment on Galactosemia. 5
7. Write short notes on (any **two**) :
 - (a) Peptic ulcer
 - (b) AIDS
 - (c) Tuberculosis. 7½×2=15