

B. Pharm.

(SEM. IV) EXAMINATION, 2006-07

PATHOPHYSIOLOGY OF COMMON DISEASES

Time : 3 Hours]

[Total Marks : 80

- Note :** (1) Attempt *all* the questions.
(2) All questions carry *equal* marks.

1 Answer any **four** of the following : **4×4**

- (a) Describe in brief the mechanism of Chemical Injury.
- (b) Define free radicals. How free radicals are generated in the cell?
- (c) Describe the different possible mechanism of cell injury.
- (d) Write note on Apoptosis.
- (e) Discuss in brief morphological changes occur in cell injury.
- (f) Write note on Haemolytic anaemia.

2 Answer any **four** of the following. **4×4**

- (a) Differentiate between Hyperplasia and Metaplasia.
- (b) Differentiate between Dystrophic calcification and metastatic calcification.

- (c) Write a note on Hemosiderosis.
- (d) Discuss in brief abnormal accumulation of lipids.
- (e) Explain various causes of Hypertrophy.
- (f) Write various mechanism of cellular adaptation.

3 Answer any **two** of the following **8×2**

- (a) Differentiate between acute and chronic inflammation. Discuss various vascular changes occur in acute inflammation.
- (b) Write a note on angiogenesis and Fibrosis.
- (c) Write a note on generation of arachidonic acid metabolites and their role in inflammation.

4 Discuss pathophysiology of the following diseases : (any **two**) **8×2**

- (a) Depression
- (b) Angina
- (c) Rheumatoid arthritis

5 Write notes on : (any **two**) **8×2**

- (a) Peptic ulcer
- (b) Tuberculosis
- (c) Urinary tract infections.