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: 4x4
   (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: 4x4
   (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 8x2
(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) 8x2
(a) Depression
(b) Angina
(c) Rheumatoid arthritis

5 Write notes on: (any two) 8x2
(a) Peptic ulcer
(b) Tuberculosis
(c) Urinary tract infections.