

SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, JUNE 2009**Pathology—Paper I****GENERAL PATHOLOGY AND CLINICAL PATHOLOGY**

Time : One Hour and a Half

Maximum : 32 Marks

*Answer Sections A-II and B in separate answer-books.**Draw diagrams wherever necessary.***Section A-II**

III. Draw and label :

- 1 Pedigree chart of an Autosomal Dominant Disorder.
- 2 Microscopy of urinary sediment in Acute Nephritis.

(2 × 1 = 2 marks)

IV. Write short answers on :

- 1 Pathogenesis of Amyloidosis.
- 2 Major risk factors of atherosclerosis.
- 3 Morphology of Apoptosis.
- 4 Role of cell adhesion molecules in leukocyte migration through blood vessels.

(4 × 1 = 4 marks)

V. Write short notes on :

- 1 Fat embolism.
- 2 Microbial carcinogenesis.
- 3 Hematocrit.

(3 × 2 = 6 marks)

Section B

VI. 25 year old lady presented with evening rise of temperature, chronic cough of more than three months duration and hemoptysis :

- 1 What is the most probable diagnosis ?
- 2 Mention one noninvasive technique by which you can confirm the condition.
- 3 Discuss the pathogenesis of this disease.
- 4 Discuss the natural history and spectrum of the disease.

(1 + 1 + 4 + 4 = 10 marks)

VII. Write short notes on :

- 1 Acquired non-neoplastic precancerous conditions.
- 2 Graft Vs. Host reaction.
- 3 Peripheral smear finding in *P.falciparum* infection.
- 4 Morphology of chronic venous congestion liver.

(4 × 1 = 4 marks)

VIII. Short answer questions.

Write *two* differences between :

- 1 CSF finding in pyogenic and tuberculous meningitis.
- 2 Bone marrow aspiration biopsy and trephine biopsy.
- 3 Wet gangrene and Dry gangrene.

(3 × 2 = 6 marks)