

F 2984

Reg. No.

Name.



**SECOND PROFESSIONAL M.B.B.S. DEGREE (ADDITIONAL BATCH)
EXAMINATION, FEBRUARY 2012**

Microbiology

Paper II—VIROLOGY, PARASITOLOGY, MYCOLOGY AND APPLIED MICROBIOLOGY

Time : One Hour and Forty Minutes

Maximum : 32 Marks

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

Section A-II

II. Draw and label :

- 1 Trophozoite of *Entamoeba histolytica*
- 2 *Cryptococcus neoformans* - India ink staining.

(2 × 1 = 2 marks)

III. Write short answers on :

- 1 What are Defective viruses ? Give *two* examples.
- 2 NIH swab.

(2 × 2 = 4 marks)

IV. Write short notes on :

- 1 Cell culture.
- 2 Paul-Bunnell test.

(2 × 3 = 6 marks)

Section B

V. An 18 year old haemophiliac develops fever malaise and anorexia with jaundice.

- 1 Enumerate *two* viruses causing jaundice in this patient.
- 2 Describe the laboratory diagnosis in this case.
- 3 What are the prophylactic measures against this disease ?
- 4 Add a note on Hepatitis B carriers.
- 5 What is Delta antigen ?

(1 + 3 + 3 + 2 + 1 = 10 marks)

VI. Write short answers on :

- 1 *Giardia lamblia*.
- 2 Larva migrans.

(2 × 2 = 4 marks)

VII. Write short notes on :

- 1 Opportunistic mycotic infections.
- 2 Oncogenic viruses.

(2 × 3 = 6 marks)