



**SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, MAY 2006**

**MICROBIOLOGY—Paper II (VIROLOGY, PARASITOLOGY, MYCOLOGY, CLINICAL MICROBIOLOGY)**

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 Structure of Rabies virus.
- 2 Penicillium.

(2 × 1 = 2 marks)

IV. Write short answers on :

- 1 What is cytopathic effect ?
- 2 What is dimorphic fungi ?
- 3 What is larva migrans ?
- 4 What is microfilaria ?

(4 × 1 = 4 marks)

V. Write short notes on :

- 1 Chromoblastomycosis.
- 2 MMR vaccine.
- 3 Hepatitis B virus.

(3 × 2 = 6 marks)

**Section B**

VI. A 40 year old man came to the hospital with complaints of epigastric tenderness. On examination there was extreme pallor of the mucous membrane of the eyes, lips and tongue. Puffiness of the face, swelling of the lower eyelids and oedema of the feet were also noted. The patient had a protuberant abdomen and lusterless hair.

- 1 What is your diagnosis ?
- 2 Which are the direct and indirect methods to confirm the diagnosis ?
- 3 Which is the infective form of the nematode and what is the mode of infection ?
- 4 What are the pathogenic effects ?
- 5 How will you treat the patient ?

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

**Turn over**

## VII. Short answer questions :

- 1 What is inclusion bodies ?
- 2 Write *two* mode of transmission of HIV.
- 3 What is hydatid cyst ?
- 4 What is Reynold's Brande phenomenon ?

(4 × 1 = 4 marks)

## VIII. Write short notes on :

- 1 Rhinosporidiosis.
- 2 Liver fluke.
- 3 Epstein-Barr virus.

(3 × 2 = 6 marks)