



G 1254

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Reg. No.....

Name.....

**SECOND PROFESSIONAL M.B.B.S. DEGREE (ADDITIONAL BATCH)  
EXAMINATION, MARCH 2011**

Microbiology

Paper II—VIROLOGY, PARASITOLOGY, MYCOLOGY AND APPLIED MICROBIOLOGY

Time : 1 Hour and 40 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 Rabies virus.
- 2 Giardia.

(2 × 1 = 2 marks)

III. Write short answers on :

- 1 Name 4 Herpes viruses and diseases produced by them.
- 2 Chikungunya fever.

(2 × 2 = 4 marks)

IV. Write short notes on :

- 1 Polio vaccines.
- 2 Chromoblastomycosis.

(2 × 3 = 6 marks)

**Section B**

V. A 25-year-old man presents with history of fever with rigor and chills of 1-month duration. He was working in Surat for the last 2 years. On examination he is anaemic and has hepatosplenomegaly. Temperature chart records fever with periodicity every 48 hours.

- 1 What is the probable diagnosis and the aetiological agent causing this disease ?
- 2 Write the Definitive and intermediate hosts, infective form and site of localization of the parasite.
- 3 Write briefly the life cycle of this parasite.
- 4 Describe the laboratory diagnosis of this disease.
- 5 What is the treatment for the above condition ?

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

**Turn over**

VI. Write short answers on :

- 1 Measles.
- 2 *Pneumocystis jiroveci*.

(2 × 2 = 4 marks)

VII. Write short notes on :

- (a) Cultivation of virus.
- (b) Cryptococcosis.

(2 × 3 = 6 marks)