

VI. Short answer questions :

- 1 Coombs tests.
- 2 Polymerase Chain reaction.

(2 × 2 = 4 marks)

VII. Write short notes on :

- 1 Bacterial food poisoning.
- 2 Mantoux test.

(2 × 3 = 6 marks)

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(Pages : 2)

Reg. No.....

Name.....



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

Microbiology

Paper I—GENERAL BACTERIOLOGY, SYSTEMATIC BACTERIOLOGY AND
IMMUNOLOGY

Time : 1 Hour and 40 Minutes

Maximum : 32 Marks

Answer Sections A-II and B in separate answer books.

Section A - II

II. Draw and label :

- 1 Gram smear appearance of CSF in Meningococcal meningitis.
- 2 Bacterial growth curve.

(2 × 1 = 2 marks)

III. Short answer questions :

- 1 Name 4 sexually transmitted bacterial diseases and their causative agents.
- 2 Differences between active and passive immunity.

(2 × 2 = 4 marks)

IV. Write short notes on :

- 1 Bacillary dysentery.
- 2 Genetic mechanisms of drug resistance in Bacteria.

(2 × 3 = 6 marks)

Section B

V. 20 year old male was admitted with complaints of fever of gradual onset for 10 days duration, with nausea, vomiting, and abdominal discomfort. On examination he has fever (step ladder pattern), bradycardia, abdominal tenderness and splenomegaly.

- (a) Write the probable diagnosis and the causative agent.
- (b) Write briefly the pathogenesis.
- (c) Describe the laboratory diagnosis (including Collection and processing of specimen)
- (d) Treatment and prophylaxis.

(1 + 2 + 5 + 2 = 10 marks)

Turn over