

F 9488

(Pages : 2)

Reg.No.....

Name.....



**SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION
DECEMBER 2008**

MICROBIOLOGY—Paper I

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 Immunoglobulin G.
- 2 Streptococcus pneumoniae negative staining.

(2 × 1 = 2 marks)

IV. Short answer questions :

- 1 Define Monoclonal antibodies. Give two clinical applications.
- 2 List four bacteria causing dysentery.
- 3 Give four differences between exotoxins and endotoxins
- 4 Name four pathogenic factors leading to bacterial virulence.

(4 × 1 = 4 marks)

V. Write short notes on :

- 1 CD4 T cells.
- 2 Delayed Hypersensitivity.
- 3 Bacterial spore.

(3 × 2 = 6 marks)

Section B

VI. A patient presents with fever and malaise of one week duration. On examination, patient is feverish, toxic, tongue coated, hepatosplenomegaly present. Temperature chart recorded intermittent high temperature. The doctor ordered for serological tests-Widal and clot culture.

- 1 What is the provisional Diagnosis ?
- 2 Name the micro-organism/s responsible for this type of fever.
- 3 List the samples to be collected from this patient.
- 4 Describe the laboratory diagnosis of this case.
- 5 Name the oral drug of choice. Name the other drugs used in treatment.
- 6 What are the prophylactic methods to prevent this disease.

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

Turn over

VII. Write short answers :

- 1 Name four autoimmune diseases.
- 2 Name four enriched media.
- 3 List four enterotoxigenic bacteria.
- 4 Name all the antigen presenting cells.

(4 × 1 = 4 marks)

VIII. Write short notes on :

- 1 Bacterial growth curve.
- 2 Pathogenesis of tetanus.
- 3 Urinary tract infections.

(3 × 2 = 6 marks)