

F 2982

Reg. No.....

Name.....

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

Microbiology

**Paper I—GENERAL BACTERIOLOGY, SYSTEMATIC BACTERIOLOGY AND
IMMUNOLOGY**

Time : One Hour and Forty Minutes

Maximum : 32 Marks

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

Section A-II

II. Draw and label :

1 Pneumococcus—India ink staining.

2 Bacterial spore.

(2 × 1 = 2 marks)

III. Short answer questions :

1 Immunoglobulin A.

2 Autoclave—Four important points.

(2 × 2 = 4 marks)

IV. Write short notes on :

1 Immuno fluorescence.

2 HLA—antigens.

(2 × 3 = 6 marks)

Section B

V. Read the following paragraph and answer the questions :

A 30 year old man presents with a single 2 cm ulcer on his glans Penis—which is Painless. Gives history of exposure 1 month back.

1 What is the most probable diagnosis ? Name the etiological agent.

2 Describe the pathogenesis of the disease.

3 Describe the laboratory methods for diagnosis.

4 What is the treatment ?

5 Name *four* other bacterial sexually transmitted infections.

(1 + 2 + 4 + 1 + 2 = 10 marks)

VI. Write short answers on :

1 Malignant pustule.

2 Blood culture.

(2 × 2 = 4 marks)

VII. Write short notes on :

1 Laboratory diagnosis of cholera.

2 Scrub Typhus.

(2 × 3 = 6 marks)