Reg. No.					
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# MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2010

SUBJECT: PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

Monday, April 05, 2010

Time: 14:00 - 17:00 Hrs. Max. Marks: 100

- Answer ALL questions. 15
- Write answers that are brief, clear, relevant and legible.
- Illustrate your answers with neatly drawn and correctly labeled diagrams wherever 25 appropriate.
- Describe the various methods of Antibiotic sensitivity testing in the laboratory. Add a note on 1. HEALTH SCIENCES LIBRAR' quality control in carrying out the sensitivity tests.

(25 marks)

2. Define immune response. Discuss the role of lymphocytes in immune response.

(25 marks)

- 3. Write short notes on:
- 3A. Mutation.
- Immunofluorescence.
- Monoclonal antibodies.
- 3D. Newer epidemiological typing methods.
- Preservation of stock culture.

Reg. No.			

## MD (MICROBIOLOGY) DEGREE EXAMINATION - APRIL 2010

SUBJECT: PAPER II: SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Tuesday, April 06, 2010

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL questions. K
- Write answers that are brief, clear, relevant and legible. K
- Illustrate your answers with neatly drawn and correctly labeled diagrams wherever 15 appropriate.
- Describe the pathogenesis and laboratory diagnosis of anthrax. 1.

(25 marks)

2. Describe the pathogenesis and laboratory diagnosis of actinomycosis. Add a note on the differences between actinomyces and nocardia. MEALTH SCIENCES LIBRARY

(25 marks)

- 3. Write short notes on:
- 3A. Superficial mycoses.
- 3B. Chromoblastomycosis.
- Non suppurative complications produced by Streptococcus pyogenes.
- Aspergillosis. 3D.
- 3E. Mycotoxins.

 $(10 \times 5 = 50 \text{ marks})$ 

Reg. No.		

# MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2010

SUBJECT: PAPER III: PARASITOLOGY AND VIROLOGY

Wednesday, April 07, 2010

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- & Write answers that are brief, clear, relevant and legible.
- Illustrate your answers with neatly drawn and correctly labeled diagrams wherever appropriate.
- Classify Mastigophora. Discuss the life cycle, pathogenesis and laboratory diagnosis of Leishmania donovani.

(25 marks)

 List Neurotropic viruses. Describe the pathogenesis, laboratory diagnosis and prophylaxis of human rabies.

(25 marks)

- 3. Write short notes on:
- Free living amoebae.
- 3B. SSPE.
- 3C. Post transfusion viral hepatitis.
- 3D. Larva migrans.
- 3E. Microfilaria.

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 $(10 \times 5 = 50 \text{ marks})$ 

Reg. No.	
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## MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2010

SUBJECT: PAPER IV: APPLIED MICROBIOLOGY AND RECENT ADVANCES

Thursday, April 08, 2010

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL questions. 85
- Write answers that are brief, clear, relevant and legible. 25
- Illustrate your answers with neatly drawn and correctly labeled diagrams wherever AFALTH SCIENCES LISH A ES appropriate.
- Describe the methods and interpretation of blood culture.

(25 marks)

Describe the pathogenesis and prevention of blood borne viral infections. 2.

(25 marks)

- 3. Write short notes on:
- Antifungal susceptibility testing.
- 3B. Quality assurance.
- 3C. Graft versus host reaction.
- Malaria vaccines.
- 3E. Laboratory diagnosis of autoimmune diseases.

 $(10 \times 5 = 50 \text{ marks})$