Reg. No.
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# MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2013 SUBJECT: PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

Tuesday, April 02, 2013

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL questions.
- 1. Define sterilization. Classify the methods and discuss moist heat sterilization.

(25 marks)

2. Describe the method of production of monoclonal antibodies and its uses.

(25 marks)

- 3. Write short notes on:
- 3A. Bacterial growth curve
- 3B. Bacteriological examination of water
- 3C. Filamentous appendages of bacteria
- 3D. Cytokines
- 3E. Anaphylaxis

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

Reg. No.	
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### MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER II: BACTERIOLOGY AND MYCOLOGY

Wednesday, April 03, 2013

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL questions.
- 1. Describe the laboratory diagnosis and prophylaxis of pulmonary tuberculosis.

(25 marks)

2. Describe the laboratory diagnosis of cutaneous mycoses.

(25 marks)

- 3. Write short notes on:
- 3A. Multi drug resistant Salmonella
- 3B. Mycotoxins
- 3C. Laboratory diagnosis of chlamydial infections
- 3D. Coagulase negative staphylococci
- 3E. Relapsing fever

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

Reg. No.
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# MD (MICROBIOLOGY) DEGREE EXAMINATION - APRIL 2013

SUBJECT: PAPER III: VIROLOGY AND PARASITOLOGY

Thursday, April 04, 2013

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL questions.
- 1. Classify Retroviruses. Describe the pathogenesis, laboratory diagnosis and control of HIV infection.

(25 marks)

2. Discuss the pathogenesis and laboratory diagnosis of Hydatid cyst.

(25 marks)

- 3. Write short notes on:
- 3A. Prion diseases
- 3B. Teratogenic viruses
- 3C. Dermal leishmaniasis
- 3D. Clonorchiasis
- 3E. Viral inclusion bodies

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

Reg. No.	
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## MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2013 SUBJECT: PAPER IV: APPLIED MICROBIOLOGY AND RECENT ADVANCES

Friday, April 05, 2013

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL questions.
- 1. Role of non cultural methods in diagnosis of infectious diseases.

(25 marks)

2. Describe the investigation of nosocomial infection outbreak.

(25 marks)

- 3. Write short notes on:
- 3A. Monoclonal antibodies and their uses
- 3B. Laboratory diagnosis of anaerobic infections
- 3C. Neonatal sepsis
- 3D. Biofilms
- 3E. Aspergillosis

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