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MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

Wednesday, April 01, 2009

E	Answer ALL questions.
Ø	Write answers that are brief, clear, relevant and legible.
Ø	Illustrate your answers with neatly drawn and correctly labeled diagrams wherever

1. Discuss the growth requirements and metabolism of bacteria.

(25 marks)

Max. Marks: 100

2. Describe the production, structure and functions of immunoglobulins.

(25 marks)

3. Write short notes on:

Time: 14:00 - 17:00 Hrs.

appropriate.

- 3A. Koch's Postulates.
- 3B. DNA Hybridization.
- 3C. Antibiotic Sensitivity by Disc Diffusion.
- 3D. Complement.
- 3E. Type I Hypersensitivity reactions.

Reg. No.	

MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER II: SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Thursday, April 02, 2009

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

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

(25 marks)

 Describe the morphological classification of fungi. Discuss the pathogenesis and laboratory diagnosis of cryptococcosis.

(25 marks)

- 3. Write short notes on:
- 3A. Rhinosporidiosis.
- 3B. Melioidosis.
- 3C. Laboratory diagnosis of gonorrhoea.
- 3D. El Tor vibrios.
- 3E. Tuberculin test.

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MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER III: PARASITOLOGY AND VIROLOGY

Friday, April 03, 2009

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Ø	Write answers that are brief, clear, relevant and legible.
Ø	Illustrate your answers with neatly drawn and correctly labeled diagrams wherever
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1. Describe the morphology, life cycle, pathogenesis and laboratory diagnosis of *Toxoplasma gondii*.

(25 marks)

Max. Marks: 100

Enumerate the infections caused by Herpes viruses. Discuss the pathogenesis and laboratory diagnosis of Herpes simplex virus infections.

(25 marks)

3. Write short notes on:

Time: 14:00 - 17:00 Hrs.

Answer ALL questions.

- 3A. Prions.
- 3B. Occult filariasis.
- 3C. Oncogenic viruses.
- 3D. Hydatid cyst.
- 3E. Primary amoebic meningoencephalitis.

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MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER IV: APPLIED MICROBIOLOGY AND RECENT ADVANCES

Saturday, April 04, 2009

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

- Answer ALL questions.
- Write answers that are brief, clear, relevant and legible.
- Illustrate your answers with neatly drawn and correctly labeled diagrams wherever appropriate.
- List the causes of pyrexia of unknown origin (PUO). Describe the pathogenesis and laboratory diagnosis of PUO.

(25 marks)

2. Enumerate the microbiological agents of bioterrorism. How should a microbiological laboratory be prepared to diagnose a case of anthrax?

(25 marks)

- 3. Write short notes on:
- 3A. Local Immunity.
- 3B. Halophilic Vibrios.
- 3C. Ligase Chain Reaction.
- 3D. Dengue vaccines: Problems and prospects.
- 3E. Hospital Associated Infection Control Committee.