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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR MBBS DEGREE EXAMINATION – JANUARY 2006

SUBJECT: MICROBIOLOGY - I (ESSAY)

Monday, January 09, 2006

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

≠ DRAW DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE

≠ Answer all questions.

1. Classify Streptococci. Describe the pathogenesis and laboratory diagnosis of infections caused by Group A Streptococci.

(2+3+3 = 8 marks)

2. Define and classify sterilization. Write in detail on sterilization by dry heat.

(1+2+5 = 8 marks)

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3. Write Short notes on:

- 3A. Acute Pyogenic Meningitis.
- 3B. Non specific serological tests for syphilis.
- 3C. Tuberculin Test.
- 3D. Malignant Pustule.
- 3E. Laboratory diagnosis of Urinary Tract Infection.
- 3F. Bacterial filters.

(4 × 6 = 24 marks)

4. Write briefly on:

- 4A. Bacterial Spore
- 4B. Anaphylaxis
- 4C. ELISA
- 4D. Transduction
- 4E. Autoantibodies.

(4 × 5 = 20 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR MBBS DEGREE EXAMINATION – JANUARY 2006**SUBJECT: MICROBIOLOGY - II (ESSAY)**

Tuesday, January 10, 2006

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

*≠ DRAW DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE**≠ Answer all questions.*

1. Enumerate tapeworms. Describe the life cycle and laboratory diagnosis of *Echinococcus granulosa*.

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(1+4+3 = 8 marks)

2. Describe the morphology of Rabies virus. Describe the pathogenesis and laboratory diagnosis of Rabies in man. Add a note on non neural vaccines.

(2+2+2+2 = 8 marks)

3. Write briefly on:

(6×4 = 24 marks)

- 3A. Viral cytopathic effect.
3B. Life cycle of *Strongyloides stercoralis*.
3C. Oncogenic viruses.
3D. Fungi infecting the respiratory tract.
3E. Chromomycosis.
3F. Kyasanur forest diseases.

4. Write short notes on:

(5×4 = 20 marks)

- 4A. Bacteriophage
4B. Histoplasmosis.
4C. Interferons and their uses in clinical practice
4D. Extra intestinal amoebiasis
4E. L-D bodies

