

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR MBBS DEGREE EXAMINATION – JULY 2006**SUBJECT: MICROBIOLOGY - I (ESSAY)**

Friday, July 07, 2006

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

✍ **Draw diagrams and flow charts wherever appropriate.**✍ **Answer all questions.**

1. Describe the pathogenesis, laboratory diagnosis and prophylaxis of tetanus.

(3+2+3 = 8 marks)

2. Describe the structure, characteristics and functions of normal immunoglobulins with diagrams.

(3+3+2 = 8 marks)

3. Write briefly on:

3A. Bacterial filters.

3B. Bacterial cell wall.

3C. Bacterial zoonoses.

3D. Cytokines.

3E. Atypical Mycobacteria.

3F. Bacterial diarrhoea.

(4×6 = 24 marks)

4. Write short notes on:

4A. ELISA.

4B. El Tor Vibrio.

4C. Conjugation.

4D. Laboratory diagnosis of brucellosis.

4E. Specific tests for diagnosis of syphilis.

(4×5 = 20 marks)



Reg. No.

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SECOND YEAR MBBS DEGREE EXAMINATION – JULY 2006

SUBJECT: MICROBIOLOGY - II (ESSAY)

Saturday, July 08, 2006

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

- ✍ Draw diagrams and flow charts wherever appropriate.
✍ Answer all questions.

1. Enumerate the Arboviruses prevalent in India and describe the pathogenesis, laboratory diagnosis and epidemiology of Japanese encephalitis.

(1+2+2+3 = 8 marks)

2. List the Tissue nematodes. Describe the life cycle, pathogenesis and laboratory diagnosis of *Wuchereria bancrofti*.

(1+2+2+3 = 8 marks)

3. Write briefly on:

- 3A. Laboratory diagnosis of AIDS.
3B. Morphology of Influenza virus.
3C. *Fasciola hepatica*.
3D. *Enterobius vermicularis*.
3E. Aspergillosis.
3F. Oral thrush.

(4×6 = 24 marks)

4. Write short notes on:

- 4A. Concentration technique of stool examination for ova and cysts.
4B. Viral gastro enteritis.
4C. Fungal meningitis.
4D. Pulse Polio programme.
4E. Laboratory diagnosis of Malaria.

(4×5 = 20 marks)

