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MANIPAL UNIVERSITY
SECOND MBBS DEGREE EXAMINATION – JUNE 2007
SUBJECT: MICROBIOLOGY - I (ESSAY)

Friday, June 22, 2007

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

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

1. Define Sterilisation and Disinfection. Describe the method of sterilisation by steam under pressure.

(2+6 = 8 marks)

2. Describe the pathogenesis and laboratory diagnosis of Typhoid fever.

(3+5 = 8 marks)

3. Write briefly on:

3A. Nontreponemal tests for Syphilis

3B. B Lymphocytes

3C. Conjugation

3D. ELISA

3E. Antibiotic sensitivity test

3F. Bacterial food poisoning

(4×6 = 24 marks)

4. Write short notes on:

4A. Passive immunity

4B. B C G

4C. Koch's Postulates

4D. Ig M

4E. Q fever

(4×5 = 20 marks)



MANIPAL UNIVERSITY
SECOND MBBS DEGREE EXAMINATION – JUNE 2007

SUBJECT: MICROBIOLOGY - II (ESSAY)

Saturday, June 23, 2007

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

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

1. Describe the life cycle, pathogenicity and laboratory diagnosis of *Entamoeba histolytica*.
(3+2+3 = 8 marks)

2. Discuss the morphology and laboratory diagnosis of HIV. Add a note on universal precautions.
(3+4+1 = 8 marks)

3. Write briefly on:
 - 3A. *Trichomonas vaginalis*
 - 3B. Antigenic Variations in influenza virus.
 - 3C. Eumycetoma
 - 3D. Slow viral infections in man.
 - 3E. Life cycle of *Ascaris lumbricoides*
 - 3F. *Microfilaria*(4×6 = 24 marks)

4. Write Short notes on:
 - 4A. Opportunistic fungal infections
 - 4B. Cyclops
 - 4C. NNN Medium
 - 4D. Aspergillosis
 - 4E. Measles virus.(4×5 = 20 marks)



MANIPAL UNIVERSITY

SECOND MBBS DEGREE EXAMINATION – NOV/DEC 2007

SUBJECT: MICROBIOLOGY - I (ESSAY)

Friday, November 30, 2007

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

✍ **Draw diagrams and flow charts wherever appropriate.**

✍ **Answer ALL questions.**

1. Define and classify hypersensitivity. Describe Type I hypersensitivity.

(1+2+5 = 8 marks)

2. Describe the pathogenesis and laboratory diagnosis of cholera.

(4+4 = 8 marks)

3. Write short notes on:

3A. Autoclave.

3B. Gaseous disinfectants.

3C. Prophylaxis of tetanus.

3D. VDRL test.

3E. BCG.

3F. Immunoglobulin M.

(4×6 = 24 marks)

4. Write briefly on:

4A. Bacterial capsule.

4B. Nonsuppurative complications of *Streptococcus pyogenes* infections.

4C. Bacterial food poisoning.

4D. Nonsporing anaerobic bacteria.

4E. Laboratory diagnosis of typhoid fever.

(4×5 = 20 marks)



MANIPAL UNIVERSITY
SECOND MBBS DEGREE EXAMINATION – NOV/DEC 2007

SUBJECT: MICROBIOLOGY - II (ESSAY)

Saturday, December 01, 2007

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

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

1. Classify Nematodes. Describe the life cycle and laboratory diagnosis of *Strongyloides stercoralis*.

(2+4+2 = 8 marks)

2. Describe the morphology of Rabies virus. Describe in detail the prophylaxis of Rabies.

(2+6 = 8 marks)

3. Write briefly on:

- 3A. Morphology of *Entamoeba histolytica*.
3B. *Microfilaria*.
3C. Antigenic variations in influenza virus.
3D. Kyasanur forest disease.
3E. Rhinosporidiosis.
3F. Cryptococcosis.

(4×6 = 24 marks)

4. Write short notes on:

- 4A. Concentration techniques for stool examination.
4B. MMR vaccine.
4C. Aspergillosis.
4D. *Larva migrans*.
4E. Bacteriophage.

(4×5 = 20 marks)

