

MANIPAL UNIVERSITY

SECOND MBBS DEGREE EXAMINATION – MAY 2010

SUBJECT: MICROBIOLOGY - PAPER I (ESSAY)

Friday, May 07, 2010

Time: 10:30 – 13:00 Hrs.

Maximum Marks: 60

✍ Answer ALL the questions.

✍ Draw diagrams and flow charts wherever appropriate.

1. Define and classify immunity. Describe in detail Innate immunity.

(1+2+5 = 8 marks)

2. Enumerate the bacterial Sexually transmitted diseases. Describe the pathogenesis and lab diagnosis of Gonorrhoea.

(2+3+3 = 8 marks)

3. Write short notes on:

3A. Classification of culture media.

3B. Commonly used disinfectants in the hospital.

3C. Antibiotic sensitivity testing in the laboratory.

3D. Robert Koch.

3E. Peripheral lymphoid organs.

3F. Delayed hypersensitivity.

(4×6 = 24 marks)

4. Write briefly on:

4A. Coagulase test.

4B. Widal test

4C. Lepromin test.

4D. Urinary Tract Infection.

4E. Halophilic vibrios.

(4×5 = 20 marks)



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SECOND MBBS DEGREE EXAMINATION – MAY 2010
SUBJECT: MICROBIOLOGY - PAPER II (ESSAY)

Saturday, May 08, 2010

Time: 10:30 – 13:00 Hrs.

Maximum Marks: 60

✍ Answer ALL the questions.

✍ Draw diagrams and flow charts wherever appropriate.

1. Enumerate viruses causing congenital infections. Describe the pathogenesis and laboratory diagnosis of rubella. Add a note on prevention of congenital rubella.

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

2. Enumerate the parasites causing malaria in man. Describe the life cycle, pathogenesis and laboratory diagnosis of *Plasmodium vivax*.

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

3. Write short notes on:

3A. Epstein Barr Virus

3B. Anti Rabies Vaccines

3C. Hepatitis A Virus

3D. Rhinosporidiosis

3E. Aspergillosis

3F. Microfilariae

(4×6 = 24 marks)

4. Write briefly on:

4A. Inclusion Bodies

4B. Standard precautions against blood borne viral infections

4C. *Cysticercus cellulosae*

4D. NIH swab

4E. Mycotoxins

(4×5 = 20 marks)

