

Question Paper

Exam Date & Time: 12-Jan-2023 (02:30 PM - 04:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. MEDICAL IMAGING TECHNOLOGY / BACHELOR OF OPTOMETRY DEGREE EXAMINATION -
JANUARY 2023
SUBJECT: MCB2101 - MICROBIOLOGY
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

Draw diagrams wherever necessary.

- 1) Classify sterilization. Explain the principle and uses of different dry heat sterilization methods. (10)
(3+3+4 = 10 marks)
- 2) Define and classify immunity. Describe in detail about passive immunity. (10)
(1+4+5 = 10 marks)

3. Write short notes on:

- 3A) Bacterial Growth curve. (5)
- 3B) Gram negative bacterial cell wall. (5)
- 3C) Personal protective equipment (PPE). (5)
- 3D) IgM antibody. (5)

4. Answer the following:

- 4A) Name TWO fungi causing infections in humans. (2)
- 4B) Give TWO examples each for RNA viruses. (2)
- 4C) Name TWO serological tests used for diagnosis of infectious diseases. (2)
- 4D) Give TWO examples for delayed type hypersensitivity reactions. (2)
- 4E) List TWO routes of transmission of health care associated infections. (2)

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