

2103000204020116
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FOURTH SEMESTER)
BIO SCIENCE (MICROBIOLOGY) PAPER - IV
INTRODUCTORY MEDICAL MICROBIOLOGY

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (FOURTH SEMESTER)**
 - b. Name of the Subject : **BIO SCIENCE (MICROBIOLOGY) PAPER - IV INTRODUCTORY MEDICAL MICROBIOLOGY**
 - c. Subject Code No : **2103000204020116**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Multiple choice question. (MCQ)

8

1. Haptens are _____
 - a. Immunogenic
 - b. Non-immunogenic
 - c. Antigenic
 - d. None

2. Antibodies in our body are produced by _____
 - a. B-lymphocytes
 - b. T-lymphocytes
 - c. Monocyte
 - d. RBC's

3. First line of body defense is _____
 - a. Antibody molecules
 - b. Unbroken skin
 - c. Antigen molecules
 - d. Phagocytic cells

4. Interferon is composed of _____
 - a. Lipids
 - b. Lipoprotein
 - c. Glycoprotein
 - d. Nucleic acid

5. Antibody having high valance is _____
 - a. IgG
 - b. IgA
 - c. IgD
 - d. IgM

6. To be antigen, the chemical molecule (protein) needs _____
- a. High molecular weight
 - b. Chemical complexity
 - c. Nonsel
 - d. All
7. Which of the following is a type of infection?
- a. Reinfection
 - b. Super infection
 - c. Local infection
 - d. All
8. Which of the following is a method for attenuation?
- a. Repeated subculture on artificial media
 - b. Prolonged storage in low temperature
 - c. Repeated subculture on non susceptible host
 - d. All

Q.2 (A) Short answer question.

4

1. Define: Immunity
2. Enlist the phagocytic cells.
3. Name the two types of antibody light chains.
4. State any two pathological conditions.

(B) Write short notes. (Any Two)

10

1. Exotoxin
2. Ig - A
3. Physical barrier

Q.3 Answer any two of the followings:

14

1. Explain secondary organs & tissues of immune system.
2. Discuss the physiological events of the Acute Inflammatory response.
3. Describe the innate immunity.

Q.4 Write an essay on - Basic structure of an Immunoglobulins

14

OR

Answer the followings:

14

1. Write a note on - Types of diseases.
2. Give detail account of importance of normal flora.
