

**2103000206020072**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF SCIENCE (SIXTH SEMESTER)**  
**MEDICAL LABORATORY TECHNOLOGY-XVIII (MLT-18-**  
**IMMUNOLOGY) - LEVEL 2**

[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 (SIXTH SEMESTER)**
  - b. Name of the Subject: **MEDICAL LABORATORY TECHNOLOGY-XVIII (MLT-18-IMMUNOLOGY) - LEVEL 2**
  - c. Subject Code No: **2103000206020072**
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 Give specific answers:**

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- (a) List the various physical barriers present in host for protection against infection.
- (b) Define immunoglobulin. Which immunoglobulin can pass through placenta?
- (c) What do you mean by precipitation? Give its application.
- (d) Name the vaccine used against poliomyelitis and tuberculosis.

**Q.2 Explain/ Comment on any two of the following:**

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- (a) Antigen- antibody reaction depends on various factors.
- (b) Explain the mechanism of autoimmunity.
- (c) Mammalian hosts have specific chemical barriers that help combat the continuous attack of pathogens.

**Q.3 Discuss any two of the following:**

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- (a) Describe the B-cell receptor structure and function.
- (b) Explain in detail about Agglutination reaction.

(c) Give the mechanism of delayed hypersensitivity reaction in detail.

**Q.4 Write short notes on any two of the following:**

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- (a) Structure and function of spleen.
- (b) Vaccination schedule in India.
- (c) CLIA.

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