



RAN-2103000206020072

T.Y.B.Sc. (MLT) (Sem. VI) Examination September - 2025

Medical Laboratory Technology

MLT - 18 : Immunology

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (MLT) (Sem. VI)

Name of the Subject :

Medical Laboratory Technology MLT - 18 : Immunology

Subject Code No.: 2103000206020072

Seat No.:

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Student's Signature

Q-1. Give specific answers:

[8 Marks]

1. What is inflammation?
2. Define adjuvants? State its importance.
3. What do you mean by precipitation? Give its application.
4. What do you mean by autoimmunization? How it might develop?

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

[14 Marks]

1. The spleen is a secondary lymphoid organ, and the lymph nodes and mucosal- associated tissues (GALT and SALT) are the secondary lymphoid tissue.
2. Triggering of B- cells differs from T- dependent triggering.
3. A variety of factors can influence the development of autoimmune disease.

Q-3. Discuss any two of the following:

[14 Marks]

1. Write in detail about agglutination reactions.
2. Explain in brief the methods by which pathogens are recognized by phagocytes
3. Distinguish between the active and passive forms of natural and artificial immunity.

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

[14 Marks]

1. ELISA
 2. Immune complex disease.
 3. Vaccination Schedule in India.
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