



RAN-2403000503017001

B.Sc. (NCF - NEP) (Sem. - III) Examination November - 2025
Medical Laboratory Technology (Paper - V MLT - MJ - 1 - 301)
Basics of Immunology

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
- (2) Draw diagrams wherever necessary.
- (3) Figures to the right indicates the marks allotted to the questions.

Seat No.:

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Student's Signature

Q. 1. Answer in brief any five of the following: (Any 5) (05)

1. Enlist the general factor influencing innate immunity.
2. How does commensal microflora help to provide defence in the body? Give any one suitable example.
3. Give two examples of killed vaccine.
4. What are haptens?
5. Give the advantage of slide agglutination test.
6. Which antibody can cross placenta?

Q. 2. Write short notes on the following: (Any 2) (10)

1. Discuss the primary organs of immune system.
2. Active Immunity v/s Passive Immunity.
3. Discuss how internal defence mechanism plays an important role in adapting innate immunity.

Q. 3. Answer the following: (Any 2) (10)

1. Explain radial immunodiffusion and rocket electrophoresis.
2. Discuss the mechanism of precipitation reactions.
3. Describe the structure of Antibody molecule.