



RAN - 2203000205026002

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T.Y.B.Sc. (Microbiology) (Sem. V) Examination October - 2023

MB-502 : Basic of Immunology

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Microbiology) (Sem. V)

Name of the Subject :

MB-502 : Basic of Immunology

Subject Code No.: **2203000205026002**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams wherever necessary.

SET IV

Q. 1 Give Specific Answers:

(08)

- What is bacteriocin?
- Enlist secondary immune organs.
- What are haptens?
- What is humoral immunity?
- What is inflammation?
- What do you mean by monoclonal antibodies?
- What is immune tolerance?
- Define : Immunodeficiency.

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

(14)

- Cells of immune system and their functions
- Comment: " Two signals are essential for activation of T_H cell.
- Give a detail account on different types of vaccines.

Q. 3 **Answer any two of the following:** **(14)**

- a. What is hypersensitivity? Enlist its types. Explain type I hypersensitivity in details.
- b. Explain steps involved in phagocytosis.
- c. Discuss various types of adaptive immunity.

Q. 4 **Write short notes on any two of the following:** **(14)**

- a. Transplantation rejection
 - b. MHC molecules
 - c. Antimicrobial peptides
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