



RAN - 2403000503036001

RAN-2403000503036001

B.Sc. Microbiology Sem. III Examination March - 2025

MB 303: Virology

Time: 2 Hours]

[Total Marks: 50

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:

B.Sc. Microbiology Sem. III

Name of the Subject :

MB 303: Virology

Subject Code No.: **2403000503036001**

Seat No.:

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Student's Signature

Instructions:

- (1) Figures to the right indicate full marks of the questions.
- (2) Draw neat and labelled diagrams whenever necessary.

Q-1. Give Specific answers

10

1. Who gave the term filterable virus?
2. Give two examples of virus like agents
3. Give chemical nature of envelope.
4. What occur in lysogenic conversion.
5. Give example of RNA virus with envelope.
6. What is the meaning of cytopathic effect?
7. Give one example of icosahedral virus
8. Define emerging viruses.
9. Where does the synthesis of DNA occur in animal viruses.
10. What play important role during penetration of bacterial virus replication?
11. Give full form of CMV.
12. How inclusion bodies are important during viral infection.

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Q-2. Explain any two of the following 10

1. Give important features of various types of viral capsids.
2. Write a note on history of virology.
3. Discuss host range and specificity of viruses

Q-3. Discuss any two of the following 10

1. Give general properties and important groups of DNA viruses.
2. Write a note on emerging viruses.
3. Discuss cultivation of viruses.

Q-4. Write short notes on any two of the following 10

1. Explain replication of T-even phage.
2. Write short note on Synthesis of RNA animal viruses.
3. Discuss general properties of lysogeny

Q-5. Explain any two of the following 10

1. Explain viruses and teretogenesis.
2. Write a note on viroids
3. Discuss general properties and important characteristics of plant viruses.
