

2103000203026003
EXAMINATION NOVEMBER 2024
BACHELOR OF SCIENCE (NON-NEP) (THIRD SEMESTER)
MICROBIOLOGY PAPER - VII (MB-303-VIROLOGY)

[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 (NON-NEP) (THIRD SEMESTER)**
- b. Name of the Subject : **MICROBIOLOGY PAPER - VII (MB-303-VIROLOGY)**
- c. Subject Code No : **2103000203026003**

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 Answer.

8

- a) Define viral specificity.
- b) What are protomers.
- c) Define lysogeny.
- d) Give two characters of Prions.
- e) What do you mean by virulent phage? Give one example of the same.
- f) Which virus family have the virus with shape of a bullets?
- g) Give two examples of virus that causes defects during development of embryo.
- h) State the full form of SV-40.

Q.2 Answer the following: (Any Two)

14

- a) Give your comments on archaeal viruses.
- b) Explain the cultivation techniques of viruses with example.
- c) Compare and Contrast: Replication of Bacteriophage and Animal Viruses.

Q.3 Answer the following: (Any Two)

14

- a) Write a detailed note on enveloped virus.
- b) Discuss in detail about double stranded DNA virus families with examples.
- c) Explain the synthesis of new genetic material in RNA animal viruses.

Q.4 Answer the following: (Any Two)

14

- a) Explain general structural properties of viruses.
- b) Define Viroids with two examples. Explain how they differ from viruses.
- c) Write a Note: emerging Viruses.
