



RAN - 2103000205021051

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**T. Y. B. Sc. (Sem. - V) Examination March - 2023**

**Bioscience (Microbiology)**

**Microbial Taxonomy and Virology : BS - 501**

[ Total Marks: 50

**सूचना : / Instructions**

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

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

Name of the Subject :

Bioscience (Microbiology) Microbial Taxonomy and Virology : BS - 501

Subject Code No.: 2103000205021051

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.  
(3) Draw neat & clean diagram wherever necessary.

**Q. 1 Answer in brief:**

**12**

1. Define: + strand RNA, Binal symmetry.
2. Enlist the animal viruses responsible for human diseases.
3. State the full name of PFU, CPE.
4. What is G+C content?
5. Describe in brief prions.
6. Explain - Systemics.

**Q. 2 Answer any two of the following:**

**14**

1. Explain in detail NA classification of viruses.
2. Describe in brief systems of prokaryotic & eukaryotic phylogeny.
3. Write a note on Archaea.

**Q. 3** Write an essay on - Cultivation of viruses. **14**

**OR**

**Q. 3** Answer the following. **14**

1. Describe in brief molecular characteristics used in microbial taxonomy.
2. Write a note on lytic cycle of bacteriophage.

**Q. 4** Write short note on Any Two. **10**

1. Taxonomic Rank.
  2. Hierarchical arrangement.
  3. Halophiles.
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