

## BSc (NEP) Semester-2 Examination

MDC-124 T

Microbiology

April-2024

[Max. Marks : 25]

Time : 1-00 Hours]

## Instructions:

1. All questions are compulsory.
2. Figures on the right indicates marks.
3. Mention correct question number against the answer.
4. Draw figures wherever necessary.

Q.1 Describe contribution of Rishi – Kanya and Charak in vedic microbiology (10)  
OR

Q.1 (A) Discuss microbial diversity based on pH and temperature . (05)

(B) Explain methods of counting the number of krimis. (05)

Q.2 Describe structural aspects of flagella and elaborate their various types. (10)  
OR

Q.2 (A) Explain principle and method of acid fast staining. (05)

(B) Elaborate nuclear material and ribosomes of a bacterial cell. (05)

Q.3 Give short and specific answers in 1-2 lines only (any Five out of Six) (05)

- 1 Who is known as father of vedic microbiology?.
- 2 Give one example of lactic acid producing bacteria.
- 3 What are psychrophiles?.
- 4 Define plasmid.
- 5 Give one example of endospore producing microorganism.
- 6 What is role of Gram's iodine in Gram's straining?