

## BSc (NEP) Semester-2 Examination

MDC-124

Microbiology

April-2024

Time : 1-00 Hours]

[Max. Marks : 25

**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 – Kanva 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?
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