

B.Sc. Semester - 2 (NEP-2020) Examination

MARCH/APRIL-2026

MIC: Microbial Physiology -1 (Minor-2)

Time: 2:00 Hours

Marks:50

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1 Write short note:

- 1) Short note on importance of carbohydrates. (05)
- 2) State the role of nucleic acids. (05)

OR

- 1) Write a note on structure of protein. (05)
- 2) Significance of lipids in living organisms. (05)

Que.2 Write short note:

- 1) Brief note on properties of enzymes. (05)
- 2) Write about classification of enzyme. (05)

OR

- 1) A brief note on enzyme activity with example. (05)
- 2) Note on any one type of enzyme inhibition. (05)

Que.3 Write short note:

- 1) What are the main principles of microbial control? (05)
- 2) Difference between antiseptic and disinfectant. (05)

OR

- 1) Types of media based on their functions. (05)
- 2) Discuss any one method of evaluation of antimicrobial agent. (05)

Que.4 Write short note:

- 1) Advantages and disadvantages of UV rays as microbial growth control agent (05)
- 2) Describe filtration as microbial control agent. (05)

OR

- 1) Mode of action of phenols and phenolic compounds. (05)
- 2) Quaternary ammonium compounds. (05)

Que.5 Write short note:

- 1) Write in brief on classification of carbohydrates. (05)
- 2) Lock and key model of enzyme. (05)

OR

- 1) Explain bacteriostatic effect with one example. (05)
- 2) Detergents. (05)
