

B.Sc. Semester – 1 (NEP-2020) Examination**January-2024****Principles of Microbiology (Major-2)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Que.1 Describe membranous intrusions and intracellular membrane system. (10)

OR

Que.1 Explain endospore formation with suitable diagram.

Que.2 Explain the working of phase contrast microscope with labelled diagram (10)

OR

Que.2 Explain types, working and limitations of electron microscope.

Que.3 What is sterilization? Classify different methods of sterilization? (10)

OR

Que.3 What are various techniques used for isolation of pure culture? Explain poured plate method?

Que.4 Explain different phases in bacterial growth curve. (10)

OR

Que.4 What are various techniques used for isolation of pure culture? Explain poured plate method?

Que.5 Explain working principle, construction of fluorescent microscope. (10)

OR

Que.5 Write a note on: Reproduction Bacteria.
