

B.Sc. Semester – 1 (NEP-2020) Examination**January-2024****Basics of Microbiology (Minor)****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 Summarize the essential role of Louis Pasteur in microbiology. (10)

OR

Que.1 Write the detailed note on applied areas of microbiology.

Que.2 Compose a concise overview of the five kingdom and three kingdom classification systems. (10)

OR

Que.2 Provide an in-depth overview of the Baltimore classification.

Que.3 Describe the structure, reproduction and importance of protozoa. (10)

OR

Que.3 Elaborate the general concept of phytoplanktons and zooplanktons.

Que.4 Write detailed note on bacteriological media and their types. (10)

OR

Que.4 Give the different physical conditions required for growth.

Que.5 Write the short note on: (10)

(A) Koch postulates.

(B) Mycoplasma.

OR

(A) General characteristics of actinomycetes.

(B) Chemolithotrophs and Phototrophs.
