

**B.Sc. Semester – 1 (NEP-2020) Examination****January-2024****Microbiology (MDC)****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 the General characteristics of viruses. (10)

OR

Que.1 Describe the structure of tobacco mosaic virus.

Que.2 Describe the Symptoms, disease cycle and methods of control for Leaf curl of Papaya. (10)

OR

Que.2 Describe the symptoms, disease cycle and methods of control for Bunchy top of Banana.

Que.3 Describe: Economic importance of viruses. (10)

OR

Que.3 Describe the General characters of Bacteria.

Que.4 Describe the structure of bacterial cell. (10)

OR

Que.4 Describe the methods of asexual reproduction in bacteria.

Que.5 write a note on nitrogen fixation by cyanobacteria. (10)

OR

Que.5 Describe the thallus structure in Nostoc.

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