

B.Sc. Semester – 1 (NEP-2020) Examination**January-2024****Basics of Microbiology (Major-1)****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 in brief about contribution of Louis Pasteur in field of microbiology. (10)

OR

Que.1 Write the controversial theories of Spontaneous generation versus Biogenesis.

Que.2 Explain detailed note on Baltimore classification with example. (10)

OR

Que.2 Write short note on Whittaker's five kingdom and Carl Woese's three kingdom classification systems.

Que.3 Describe detailed about protozoa. (10)

OR

Que.3 Elaborate the structure, reproduction and importance of actinomycetes.

Que.4 Write detailed note on various nutritional types of bacteria. (10)

OR

Que.4 Elaborate the different gaseous requirements for microbial growth.

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

(A) Applied areas of Microbiology.

(B) Binomial Nomenclature.

OR

Que.5 (A) General concept of phytoplanktons.

(B) Physical conditions required for growth.
