



B.Sc. I Semester Degree Examination, March/April - 2023

BOTANY

Microbial Diversity

(NEP)

Time : 2 Hours

Maximum Marks : 60

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- Note :** (i) Answer **all** the sections.
(ii) Draw diagrams wherever necessary.
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SECTION - A

- I.** Answer **all** the following questions. **10x1=10**
1. (a) Expand TEM.
 - (b) Who proposed five kingdom system of classification ?
 - (c) What is Pasteurisation ?
 - (d) What is natural media ?
 - (e) What is bacteriophage ?
 - (f) Define capsid.
 - (g) Expand MLO's.
 - (h) Name any one nitrogen fixing bacteria.
 - (i) What are aplanospores ?
 - (j) What is mycobionts ?

SECTION - B

- II.** Answer **any four** of the following questions. **4x5=20**
2. Write a note on microbial distribution in soil.
 3. Write a note on microbial culture collections.
 4. Describe the economic importance of viruses.
 5. Describe the ultrastructure of Bacteria with neat labelled diagram.
 6. Illustrate the general characters of fungi.
 7. What is Lichen ? Explain the economic importance of lichens.



SECTION - C

III. Answer **any three** of the following question.

3x10=30

8. Write a note on contributions of Robert Koch and Joseph Lister.
9. Describe the nutritional types of Microbes.
10. Describe the life cycle of Rhizopus with schematic representation.
11. Describe the role of bacteria in agriculture and nitrogen fixation.
12. Mention causal Organism, Symptoms and Controlling measures of citrus canker disease.

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