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[Total No. of Pages : 2]

BOT-I-001
B.Sc. I Semester Degree Examination
BOTANY (NEP 2020)
Microbial Diversity and Technology
Paper : DSC 1.1

Time : 2 Hours

Maximum Marks : 60

Instructions to Candidates: 1) **Answer All the sections.**
2) **Diagrams will enhances the value of answers**

SECTION - A

I. Answer any FIVE of the following questions. (5×2=10)

- 1) Name Causal organism of Citrus canker mention one symptom
- 2) What are prions and viroids?
- 3) Name Cell Wall component and reserve food material in Fungi?
- 4) What are Eubacteria and Archaeobacteria?
- 5) What are Mycoplasma
- 6) Write any two Applications of *Rhizobium* in agriculture
- 7) Expand ITCC and MTCC

SECTION - B

II. Answer any FOUR of the following questions. (4×5=20)

- 8) Explain in brief classification of Fungi
- 9) Illustrate the scope of Microbiology
- 10) Explain in brief common ingredients of culture media
- 11) Explain asexual reproduction in *Downy mildew of Bajra*
- 12) Define microscope. Mention its types based on its functions
- 13) Write in brief contribution of Louis Pasteur

SECTION - C

III. Answer any THREE of the following questions.

(3×10=30)

- 14) Describe different stages of *Puccinia* on Wheat and Barberry
 - 15) Give a detailed account of Sterilization methods
 - 16) Explain structure and Replication of Bacteriophage
 - 17) Give an account of Microbial culture and Preservation
 - 18) Write a note on
 - a) Lichens
 - b) VAM fungi
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