

Roll No. _____

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SIS-N-060 A-21
B.Sc. I Semester (CBCS) Degree Examination
BOTANY
(Biodiversity of Microbes, Algae, Fungi and Archegoniate)
Paper - C.C. Bot. I
(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Answer **all** the questions.
2. Draw **diagrams** wherever necessary.

I. Answer any Ten of the following questions in two or three sentences. (10×2=20)

1. What is Antheridiophore and Archegoniophore?
2. Write the characteristic features of pinus pollen grains.
3. Draw and label the structure of Nostoc filament.
4. What are pseudocelaters? Write their functions.
5. Define coenocytic mycelium with an example.
6. What is coralloid root? Write its importance.
7. Define Bacteriophage with an example.
8. What is Gangrosera stage?
9. Write any two difference between Gram positive and Gram Negative Bacteria.
10. Define Benthophytic algae with an example.
11. What is ligule? Write its significance.
12. Define Cleistothecium?

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

13. Describe the structures of volvox colony.
14. Explain the L.S. of Agaricus gill.
15. Briefly explain the history of viruses.

16. Write note on the classification of Bryophytes.
17. What are Lichens? Write note on the economic importance of Lichens.
18. Describe the T.S. of selaginella stem.

III. Answer any Four of the following questions. (4×10=40)

19. Describe the L.S. of Funaria capsule.
 20. Describe internal structures of male conceptacle and female conceptacles of sargassum.
 21. Explain the life cycle of Rhizopus.
 22. Describe male cone and female cones of Cycas.
 23. Explain the L.S. of Equisetum Strobilus.
 24. Describe the economic importance of Bacteria.
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