

Roll No. _____

SIIS-N-63 A-18
B.Sc. IInd Semester Degree Examination
BOTANY
(Mycology, Plant Pathology, Lichens, Bryophytes, Biofertilizers
And Biopesticides)
Paper : 2
(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1) *Answer all questions.*
- 2) *Diagrams will enhance the value of the answers.*

I. Answer any Ten of the following. in Two or more sentences.

(10×2=20)

1. What are Pseudoelaters? Write its function.
2. Define soridia?
3. What is Biopesticide? Give an example.
4. What are Gemmae cups?
5. What are foliose lichen? Give an example.
6. What are Aflatoxins?
7. What is endemic disease? Give an example.
8. What are rhizoids? Write the functions of Rhizoids.
9. Write the name of causal organism and symptoms of will of pegion pea.
10. What is conidiophore? Write the characters & cercospora conidiophore.
11. Write the difference between parasite and saprophyte.
12. What are Biofertilizers? Why the Nostoc and Anabaena used as Biofertilizer.

II. Answer any **Four** of the following questions.

(4×5=20)

13. Describe V.S. of Lichen Apothecium.
14. Write note on Kosch's postulates.
15. Describe the T.S. of marchantia Thallus.
16. Describe L.S. of Anthoceros sporophyte.
17. What is mycorrhiza? Write the applications of mycorrhizae in plants.
18. Briefly explain the process of mushroom cultivation.

III. Answer any **Four** of the following questions.

(4×10=40)

19. Describe sexual reproduction in Aspergillus.
 20. Describe the evolution of sporophyte in Bryophyte.
 21. Describe the life cycle of puccinia.
 22. Write the economic importance of Fungi.
 23. Write the causal organism, symptoms, and can mole measures of Downy mildew of Bajra.
 24. Describe the L.S. of Capsule of funaria.
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