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SIS-N-060 B-17

B.Sc. Ist Semester Degree Examination
BOTANY
(Diversity of Microbes and Algae)
Paper - I
(New)

Time : 3 Hours   Maximum Marks : 80

Instructions to Candidates:

1) Answer all questions.

2) Diagram will enhance the value of Answers.

I. Answer any **TEN** of the following in two or more sentences. (10 × 2 = 20)

1) What is heterocyst? Write its function.

2) What are epiphytic algae? Give an example.

3) What is false branching? Where it is common.

4) What are Viroids? Who discovered them.

5) What is Sandal Spike disease? Mention its casual organism.

6) Explain the terms Autospores and Frustle.

7) Name the casual organism of citrus canker, Explain any two control measures.

8) What are receptacles?

9) Write living characters of viruses.

10) What are Apical caps?

11) What are synzospores? Give an example.

12) Write the difference between Grams positive and Grams negative cell wall of Bacteria.

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

13) Write a note on Spirulina.

14) Explain the Symptoms and control measures of Leaf Curl of Papaya.

15) Describe the structure of Volvox.

16) Explain brief history and contribution of Louis Pasteur.

17) Describe the structure of Diatoms.

18) Write a general account on Mycoplasma.

III. Answers any **FOUR** of the following : (4 × 10 = 40)

19) Explain the Life Cycle of Polysiphonia.

20) Describe the Sexual reproduction in oedogonium.

21) Explain the aim and scope of microbiology.

22) Describe the Sexual reproduction in Sargassum.

23) Explain the Economic Importance of Algae.

24) Write a note on :

    a) Bacterial cell.

    b) T.M.V.

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