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F.Y.B.Sc.
Insights into Phytodiversity: 24BOT11101
(Semester I)

Program: B.Sc
Program Specific: General B.Sc.
Course Type: BOTANY
Paper: Insights into Phytodiversity

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

Q1) Attempt ANY FIVE of the following: [5X 2 = 10]

- a) What are lower Cryptogams ?
- b) Distinguish between Cryptogams and Phanerogams.
- c) Write any two characteristic features of Cyanochloronta.
- d) Comment on mycelium.
- e) Describe morphology of fruiticose lichens.
- f) Mention types of vegetative reproduction in bryophytes
- g) Mention characters of Pteropsida or Ferns.

Q2) Attempt ANY THREE of the following: [3 X 4= 12]

- a) Write a note on scalariform conjugation in *Spirogyra*.
- b) Describe distinguishing characters of Fungi.
- c) Write a note on classification of Bryophyta.
- d) Draw and describe parts of sporophyte of *Nephrolepis*
- e) Write a note on classification of Gymnosperm.

Q3) Attempt ANY TWO of the following: [2 X 4 = 08]

- a) Describe distinguishing characters of Algae.
- b) Write down uses of fungi.
- c) Draw and describe parts of sporophyte of *Cycas*
- d) Describe distinguishing characters of two subdivisions of Angiosperm.