



Progressive Education Society's

Seat No.

Modern College of Arts, Science and Commerce (Autonomous)

Shivajinagar, Pune -5

[Total no. of questions: 5]

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First Year B.Sc. Botany (Mar-2020)

End Semester Backlog Examination, (2019 Pattern) Semester – I

Course Code: 19ScBotU101

Course Name: Plant Diversity-I

Date: 13-03-2020

Time: 10.00 a.m. to 12.00 p.m.

[Time: 2 Hours]

[Max Marks: 60]

Instructions:

1. All questions are compulsory.
2. Draw neat-labelled diagrams wherever necessary.
3. Figures to right indicate full marks.

Q1 Attempt the following:

[12]

- a. Define beta diversity
- b. What are halophytes?
- c. Define facultative parasite.
- d. What are phycobionts?
- e. Enlist the types of rhizoids in *Riccia*.
- f. Enlist any two thallus organizations in Algae

Q2) Attempt any three of the following:

[12]

- a. Give general characters of Hepaticae.
- b. Distinguish between Phycomycetae and Deuteromycetae.
- c. Describe the vegetative reproduction in *Anthoceros*.
- d. Give the general characters of Rhodophyceae.
- e. Describe the asexual reproduction in fungi.

Q3) Write short notes on any three of the following:

[12]

- a. Archegonium in *Riccia*
- b. Vegetative reproduction in algae
- c. Thallus structure in *Agaricus*
- d. Heterocyst in *Nostoc*
- e. Economic importance of Bryophytes

Q4) Attempt any two of the following:

[12]

- a. Describe the general characters of Gymnosperms
- b. Explain the types of vegetative reproduction in lichens
- c. Describe the internal structure of thallus in *Riccia*

Q5) Describe thallus structure in *Nostoc*. Add a note on economic importance of Algae

[12]

OR

Explain the sexual reproduction in *Rhizopus*. Add a note on economic importance of Fungi.