

M.Sc. (Botany) Semester - 3 (CBCS) Examination
Oct/Nov. -2019 - [NEW COURSE]
Plant Diversity And Resources (Elective (New))

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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SECTION - I

- Q.1 Write short note on
(a) Anatomical patterns in leaf of Bryophyta (07)
(b) Reproduction in Pteridophyta (07)
- OR**
- Q.1 Explain in detail general characteristics of bryophyte with appropriate examples (14)
- Q.2 Answer the following
(a) Economic importance of Gymnosperm (07)
(b) Morphological pattern in leaf (07)
- OR**
- Q.2 Describe in detail the classification system of Bentham and Hooker. (14)
- Q.3 Answer the following (any seven) (07)
1. State any two merits of Bentham and Hooker classification system.
 2. Explain the characteristics of polypetalae with one example
 3. Write any two economic importance of bryophyte?
 4. How can we identify a gamopetalae?
 5. State the difference between monocotyledons and dicotyledons?
 6. Discuss in short the reproductive organs of gymnosperm
 7. Write the general characteristics of leaf of pteridophyta
 8. State the special features in leaf of gymnosperms

SECTION – II

- Q.1 Explain in detail the major oil seeds and fiber crops of India (14)
- OR**
- Q.1 Write short notes on
(a) Methods of traditional knowledge of plants (07)
(b) Silviculture systems (07)
- Q.2 Discuss the overview of Intellectual Property Rights (14)
- OR**
- Q.2 Write short note on:
(a) Farmers breeders right (07)
(b) biodiversity act (07)
- Q.3 Answer the following (any seven) (07)
1. What is grassland management ?
 2. Write any two scientific names of oil producing crops
 3. What do we mean by 'Geographical indication'?
 4. What is silviculture?
 5. Define the term 'Ethnobotany'
 6. What is importance of fodder grasses
 7. What are legume plants?
 8. State the important minor staple crops of India.
