

M.Sc. (Botany) Semester - 3 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2024)
Plant Diversity And Resources (Ele-1 (New-23))

Time: 2:30 Hours**Marks: 70****Instructions:**

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

Q. 1 Do as direct (any seven out of eight questions each of two marks) (14)

- 1) Write full form of UPOV and its objectives.
- 2) What is the mandate of Biodiversity Management Committee.
- 3) Write two scientific names with family of minor forest products.
- 4) What is silviculture?
- 5) Draw the floral diagram of poaceae family.
- 6) Write one merit and demerit of Bentham and Hooker classification.
- 7) Write characteristics of anthocerotopsida class.
- 8) Explain the reproductive organ of pteridophytes.

Q. 2 Answer the following (Any Two Questions) (14)

- 1) Explain any one classification system of pteridophytes.
- 2) Describe the morphological and anatomical pattern in the stem of bryophytes.
- 3) Write a note on the life cycle of pteridophytes.

Q. 3 Answer the following (Any Two Questions) (14)

- 1) Describe the Bentham and Hooker's classification of angiosperms.
- 2) Write a note on the economic importance of gymnosperms.
- 3) Discuss any one gamopetalae family with economic importance

Q. 4 Answer the following (Any Two Questions) (14)

- 1) Write a detailed note on minor staple crop ragi.
- 2) Discuss the classification of Indian forests.
- 3) Define the ethnobotany and explain the method to study it

Q. 5 Answer the following (Any Two Questions) (14)

- 1) Explain the breeder's right.
- 2) Discuss the Biodiversity Act in short.
- 3) Describe the mechanism to protect traditional knowledge.
