

M.Sc. (Botany) Semester - 3 (CBCS) Examination
Oct/Nov-2021 (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.

SECTION-I

1. Answer the followings

- A. Discuss the reproduction in pteridophytes. 07
B. Describe the morphological pattern of pteridophytes. 07

OR

1. Explain the classification of bryophytes and its economic importance. 14**2. Answer the followings**

- A. Explain the classification of gymnosperms 07
B. Discuss the merits and demerits of Bentham & Hooker's classification system of angiosperms. 07

OR

2. Explain any two families of gamopetalae with economic importance. 14**3. Do as direct (any seven) 07**

1. Give the name the class of pteridophytes.
2. State the general characteristics of bryophytes
3. Write the economic importance of pteridophytes.
4. Draw the labelled diagram of life cycle of bryophytes.
5. Give the name of series of monocotyledon class.
6. What is circinate vernation?
7. State the examples of living fossils.
8. Give the scientific name of plants belongs to polypetalae, gamopetalae and apetalae.

SECTION-II

1. Write a detail note on oil seeds and fibre crop 14

OR

1. Answer the followings

- A. Discuss the grassland management. 07
B. Explain the methods and approaches to study ethnobotany. 07

2. Explain the overview of intellectual property of plant variety protection 14

OR

2. Answer the followings

- A. Discuss the breeder's rights. 07
B. Explain the farmer's right. 07

3. Do as direct (any seven out of eight questions each of one mark) 07

1. State the scientific name of barley and ragi.
2. What is ethnobotany?
3. Explain the economic importance of wheat.
4. Define silviculture.
5. How can traditional knowledge protected under trade secrets?
6. What is defensive protection?
7. Explain the purpose of biodiversity act.
8. Who are the benefit claimers?
