

Bankura University

B.Sc 2nd Semester (Honours) Examination, 2021

Subject: Botany

Course ID: 21314

Course Code: SH/BOT/203/GE-2

Course Title: Plant Ecology, Morphology & Taxonomy

Full Marks: 25

Time: 1h 15min

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

UNIT I

1. Answer any five questions of the following:

1×5 = 5

- What is imparipinnate type of leaf?
- What do you mean by author citation?
- Name one important botanic garden in India.
- What is hypogynous flower?
- What is ecotone?
- What is binomial nomenclature?
- Mention one difference between syngenesious & synandrous type of stamen.
- What do you mean by pseudo endemic plant?

UNIT II

2. Answer any two questions of the following:

5×2 = 10

- Draw and describe different types of Cymose inflorescence. 2+3=5
- What is bio-geochemical cycle? Briefly describe Phosphorus cycle schematically. 1+4=5
- What is herbarium? Mention different functions of herbarium. 1+4= 5
- Briefly describe different principles of ICN.

UNIT III

3. Answer any one question of the following:

10×1 = 10

- Point out the diagnostic features of family Asteraceae. Why Asteraceae is regarded as highest evolved family among the dicotyledons? 6 + 4 = 10
- Discuss morphological and anatomical adaptations in hydrophytes from ecological point of view. 5 + 5 = 10