

**Bankura University**  
**B.Sc 2<sup>nd</sup> Semester (Program) Examination,2021**  
**Subject: Botany**

**Course ID-21318**

**Course Code: SPBOT/201/C-1B**

**Course Title: Plant Ecology, Morphology and Taxonomy**

*The figures in the right-hand side margin indicate marks.  
Candidates are required to give their answers in their own words  
as per as practicable*

**Full Marks –25**

**Time: 1h.15 min.**

**UNIT I**

**1. Answer any five questions of the following:**

**1×5=5**

- (a) What do you mean by opposite phyllotaxy?
- (b) What do you mean by auto-ecology?
- (c) Give one example of hydrophytic plant
- (d) Define endemism.
- (e) Define a fruit.
- (f) What do you mean by food web?
- (g) What do you mean by Flora?
- (h) What is decomposer?

**UNIT II**

**2. Answer any two of the following questions:**

**5×2=10**

- (a) Define inflorescence. Briefly describe Hypanthodium inflorescence.
- (b) Write down about the importance of herbarium.
- (c) Describe principles of ICN.
- (d) Write down the features of morphological and anatomical adaptation of xerophytes.

**UNIT III**

**3. Answer any one question of the following:**

**10×1=10**

- (a) What is bio-geochemical cycle? Describe carbon cycle. 2+8
- (b) Describe the distinctive features of the family Orchidaceae? Why is it considered as most evolved family among the monocotyledons? 6+4=10