

# Bankura University

B.Sc 3rd SEMESTER(Honours) EXAMINATION, 2021

Subject: BOTANY

Course ID: 31311

Course Code: SHBOT/301/C-5

Course Title: Morphology and Anatomy of Angiosperms

Full Marks: 25

Time: 1 h 15 min

The figures in the margin indicate full marks

Answer all the questions.

## UNIT-I

1. Answer *any five* of the following questions: 1×5=5

- a) What is utricle?
- b) What is diffuse porous wood.
- c) What is lithocyst?
- d) What is dendrochronology?
- e) What is adcrustation?
- f) What is phyllode
- g) What is coenanthium?
- h) Where do you get syngenesious stamen?

## UNIT-II

2. Answer *any two* of the following questions: 5×2=10

- a) What is aestivation? Briefly describe the different types of aestivation.
- b) Briefly justify the statement "the flower is a modified shoot".
- c) Compare the internal structures of dicot root with that of monocot root.
- d) Describe in brief different types of stomata .

## UNIT-III

3. Answer *any one* of the following questions: 10×1=10

- a) With suitable diagram briefly describe the anomalous secondary growth of *Bignonia* and *Strychnos*.
- b) Briefly describe different theories of organization of root apex. What is rhytidome?