U8097

Reg. No.: .....

Name:.....

University of Kerala

First Semester Degree Examination, November 2024

Four Year Under Graduate Programme

Discipline Specific Core Course

Botany

UK1DSCBOT105 MORPHOLOGY OF FLOWERING PLANTS

Academic Level:100-199

Time:1½ Hours **Max.Marks:42**

Part A.

Answer All Questions Objective Type. 1MarkEach.

(Cognitive Level: Remember/Understand)

6Marks.Time: 6Minutes

Qn. No.	Question	Cognitive Level	Course Outcome(CO)
1.	What is verticillaster inflorescence, give an example	Remember	CO-2
2.	Name any two invasive plants met with on your campus.	Remember	CO-1
3.	Explain phyllode with an example.	Understand	CO-1
4.	Describe the function of rhizome	Understand	CO-1
5.	Compare calyx and corolla	Understand	CO-3
6.	Which type of venation do you observe in the Mango leaf?	Understand	CO-1

Part B.

Answer All Questions Short Answer.2MarksEach.

(Cognitive Level:Understand/Apply)

8Marks.Time: 24Minutes

Qn. No.	Question	Cognitive Level	Course Outcome(CO)
7.	What are pneumatophores? Explain its importance.	Understand	CO-2
8.	Which whorls essential floral whorls? What functions do they serve?	Understand	CO-3
9.	Give two examples of roots that develop from different parts of the angiospermic plant other than the radicle.	Apply	CO-2
10.	Emphasize the role of stipules and bracts in a plant.	Apply	CO-2

Part C.

Answer all 4Questions, choosing among options within each question.

Long Answer. 7marks each.(Cognitive Level:Apply/Analyse/Evaluate/Create)

28 Marks.Time: 60 Minutes

Qn. No.	Question	Cognitive Level	Course Outcome(CO)
11.	a) Give an account of various parts of a typical Dicot leaf with a diagram. Or b) Discuss different types of Cohesion of stamens in flowers with examples.	Apply	CO-1 CO-3
12.	a) Compare the adaptations of the Seeds dispersed by various agents. Or b) Explain the classification of flowers based on the Position of the ovary with diagrams.	Analyze	CO-3 CO-3
13.	a) Give an account of Androecium with suitable diagrams Or b) Explain various sub-aerial modifications of the stem with examples.	Evaluate	CO-3 CO-2
14.	a) Write a short note on the symmetry of the flower with a diagram. Or b) Highlight the different placentations found in flowering plants with examples.	Create	CO-3 CO-3