

Reg. No.:



Y8266

Name:

University of Kerala

Second Semester FYUGP Degree Examination, June 2026

Discipline Specific Core Course

BOTANY

UK2DSCBOT101 - Plant World II

Academic Level: 100-199

2024 Admission onwards

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark
Each.Answer all questions

Qn No.	Question	CL	CO
1	Give an example of a plant with prop roots.	RE	1
2	Name one aquatic pteridophytes.	RE	2
3	Explain haustoria	UN	4
4	What is an aggregate fruit	UN	2
5	What is insect pollination?	UN	3
6	Describe two economic importance of pteridophytes.	UN	2

Part B. 8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Describe the morphology of sporophyte of Psilotum.	UN	3
8	What are the key differences between dry and wet preservation methods?	UN	2
9	Write characteristics and Functions of Root system.	AP	2
10	Justify the use of growing Azolla in agricultural fields.	AP	5

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A) Explain the functional differences between: • Prickles • Thorns • Tendrils OR B) Discuss the economic importance of angiosperms.	AP	5, 3
12	A) Analyze the roles of essential and non-essential whorls in flower function and reproductive success. OR B) Analyze how the size, shape, and structure of pollen grains influence the efficiency of wind versus insect pollination in plants	AN	3, 2

Qn No.	Question	CL	CO
13	A) Describe the structure of sporophyte and gametophyte of Nephrolepis. OR B) 1.Evaluate how the different type of root modifications helps the plant survival in different environments	EV	5, 5
14	A) Develop a model to classify inflorescence types based on their structure and growth patterns. OR B) Draw a neat, labeled diagram of the female cone of Pinus and explain it.	CR	5, 5