

Reg. No.:



Name:

University of Kerala

W7402

First Semester FYUGP Degree Examination, December 2025

Discipline Specific Core Course

BOTANY

UK1DSCBOT101 - Plant World I

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	Mention the shape of chloroplasts in Spirogyra	RE	2
2	Define mycelium	RE	2
3	What are gyruses?	UN	2
4	Give any two economic importance of bacteria?	UN	1
5	Which plant groups are called pollution indicators of Plant Kingdom	UN	1
6	What are Bacteriophages?	UN	1

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	What is allelopathy, and how does it influence the growth and development of surrounding plants?	UN	1
8	Explain the thallus structure of different types of lichens	UN	2
9	Differentiate cell wall of gram positive and gram-negative bacteria.	AP	2
10	A farmer notices that his crops are bending towards the sunlight. Explain the process behind it.	AP	1

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)	AP	3, 4

Qn No.	Question	CL	CO
	Analyze the gametophytic structure of Bryum and Riccia OR B) Explain the different components of the scientific method		
12	A) Analyze the various trends in the evolution of plants across the eras, in the geological time scale OR B) Analyze the differences between Prokaryotic and eukaryotic organisms.	AN	2, 2
13	A) Give an account of distinguishing Characters of various forms of lichens based on thallus morphology. OR B) .Explain the characteristic features of Virus?	EV	2, 2
14	A) Describe briefly about the process of scientific enquiry? OR B) Create a detailed diagram of the morphological structure of yeast you got in the lab. Label various components and explain their functions.	CR	4, 5