

Reg. No.:



Name:

University of Kerala

U8829

Second Semester FYUGP Degree Examination, April 2025

Discipline Specific Core Course

BOTANY

UK2DSCBOT104 - Phycology, Mycology and Plant Pathology

Academic Level: 100-199

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	Recall the organism which causes black stem disease in Wheat.	RE	3
2	Identify any one member of Rhodophyceae.	RE	1
3	Define Oogamy.	UN	2
4	Explain the significance of Arbuscular Mycorrhizal Fungi.	UN	2
5	What type of pigments are present in Rhodophyceae?	UN	1
6	Identify the type of pathogen in a plant affected by leaf mosaic disease.	UN	5

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	Discuss the salient features of Basidiomycotina	UN	2
8	Explain the control measures of Citrus canker.	UN	5
9	Why is proper water management an essential cultural practice in reducing the incidence of blast disease in rice?	AP	3
10	Draw the labelled diagrams of two types of sori in wheat leaves during the infection of Puccinia	AP	3

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) Discuss lichens. How they are classified. What are their ecological and economic importance OR B) Design a flowchart representing the classification of algae by Fritsch.	AP	3, 2
12	A) Analyze the different types of sexual reproduction in fungi with the help of diagrams OR B) Explain different modes of nutrition in fungi	AN	2, 3
13	A) Evaluate the salient features of fungi. OR B) Which method of plant disease control—chemical, biological, or cultural—is most effective for sustainable agriculture? Justify your answer.	EV	3, 5

Qn No.	Question	CL	CO
14	A) Create a flowchart showing classification of fungi. OR B) Prepared a detailed note on male and female conceptacles of Sargassum with a labeled diagram.	CR	3, 2