

Reg. No.:



Y7904

Name:

University of Kerala

Fourth Semester FYUGP Degree Examination, May 2026

Discipline Specific Core Course

BOTANY

UK4DSCBOT201 - Lower Cryptogams, Phytopathology and Microbiology

Academic Level: 200-299

2024 Admission

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	What is the role of algae in lichen?	RE	1
2	What is plasmogamy?	RE	1
3	What is the disease triangle?	UN	4
4	Name the common bread mould.	UN	1
5	Differentiate between Chlorophyceae and Phaeophyceae based on pigments.	UN	1
6	What is akinete ?	UN	3

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 pigment composition in Rhodophyceae.	UN	1
8	Explain how lichens act as bioindicators of pollution	UN	3
9	How is lime sulphur prepared?	AP	6
10	Comment on sterigmata.	AP	2

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 life cycle of Oedogonium with diagrams. OR B) Apply classification of plant diseases to identify and manage diseases based on symptoms and causative organisms.	AP	3, 6
12	A) How is an ascocarp different from basidiocarp? OR B) Analyse the host–parasite interaction in plant diseases and its impact on disease development.	AN	6, 6

Qn No.	Question	CL	CO
13	A) Describe the asexual reproduction in Rhizopus OR B) Evaluate the structural adaptations in Usnea that make it successful in diverse habitats.	EV	1, 5
14	A) The life cycle of Polysiphonia is triphasic. Discuss. OR B) Explain the different asexual spores in fungi.	CR	7, 7