

QP CODE: D4BBT2401	(Pages: 2)	Reg. No :
		Name :
FOURTH SEMESTER FYUGP EXAMINATION, APRIL 2026		
Discipline Specific Core (DSC) Courses - Major		
BOT4CJ203 : PLANT DIVERSITY I		
(Credits: 4)		
Time: 2 Hours	Maximum Marks: 70	
Section A		
Answer the following questions. Each carries 3 marks (Ceiling: 24 marks)		
1. Analyze the nature of association between algal and fungal partners in lichens.	BL4	CO1, CO2, CO3, CO4
2. Illustrate fruiting body of Xylaria.	BL6	CO1, CO2, CO3, CO4
3. How many basidiospores were found in Basidium? How they are formed	BL4	
4. Evaluate the role of oyster mushroom cultivation in waste recycling and rural income generation.	BL5	CO1, CO2, CO3, CO4
5. Analyze the role of fungi in improving flavor and texture of fermented foods.	BL4	CO1, CO2, CO3, CO4
6. Explain the importance of fungal biofertilisers in sustainable agriculture.	BL2	CO1, CO2, CO3, CO4
7. Describe the criteria used by F.E. Fritsch for his classification of algae.	BL2	CO3
8. Define cryptostomata.	BL1	CO1
9. Describe the pigments of Chlorophyceae.	BL2	CO3
10. Define eutrophication.	BL1	CO1
Section B		
Answer the following questions. Each carries 6 marks (Ceiling: 36 Marks)		
11. Compare the different types of plasmodia found in slime molds.	BL4	CO1, CO2, CO3, CO4
(PTO)		

12.	Analyze the importance of pure culture maintenance and sterilization techniques in the production of high-quality oyster mushroom spawn.	BL4	CO1, CO2, CO3, CO4
13.	Analyze the role of fungi as medicines and evaluate their importance in the treatment of human diseases.	BL4	CO1, CO2, CO3, CO4
14.	Describe the salient features of Cyanophyceae.	BL2	CO1, CO3
15.	Explain the structure of cystocarps with suitable diagrams.	BL4	CO1, CO3
16.	Describe the salient features of Xanthophyceae.	BL2	CO1, CO3
17.	Explain the cultivation methods of Algae.	BL3	CO1, CO4
18.	Evaluate the industrial uses of Algae.	BL5	CO1, CO4

Section C

Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)

19.	Outline the classification of fungi as proposed by Alexopoulos (1996), Also analyze the major trends in fungal systematics.	BL4	CO1, CO2, CO3, CO4
20.	Describe and classify the salient features of Algae based on occurrence with suitable examples.	BL6	CO1, CO3

CO : Course Outcome

BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)