24U126	(Pages: 2)	Name :	
		Reg. No :	
FIRST SEMESTER U	G DEGREE EXAMINATION	ON, NOVEMBE	R 2024
	(FYUGP)		
CC24U BOT1 MN101 - PLANT E			INTERACTIONS
	(B.Sc. Botany - Minor Course	e)	
T' 2011	(2024 Admission - Regular)		M : 70 M 1
Time: 2.0 Hours			Maximum: 70 Marks  Credit: 4
p	Part A (Short answer question	e)	Credit: 4
	questions. Each question carri	,	
1. Explain the difference between Para	•		[Level:2] [CO1]
2. Explain biodiversity.			[Level:2] [CO2]
3. Clarify why biodiversity hotspots are prioritized for conservation.		[Level:2] [CO2]	
4. Report two major causes of habitat fragmentation.		[Level:2] [CO2]	
5. Report one benefit and one limitation of cryopreservation.		[Level:2] [CO3]	
6. Describe seed banks and give one example.		[Level:2] [CO3]	
7. Explain how herbivory can affect ecosystem structure and function.		[Level:2] [CO4]	
8. Explain Beltian bodies.		[Level:2] [CO4]	
9. Report two examples of structural defenses in plants.		[Level:2] [CO4]	
10. Explain the concept of plant-microb	e interactions with reference t	o mycorrhizae.	[Level:2] [CO4]
			(Ceiling: 24 Marks)
	t B (Paragraph questions/Prob	,	
Answer all	questions. Each question carri	ies 6 marks.	
11. Discuss the morphological and anato	omical modifications of parasi	ites.	[Level:2] [CO1]
12. Explain the causes of sucession.		[Level:2] [CO1]	
13. Illustrate the impact of loss of livelihood on biodiversity.		[Level:2] [CO2]	
14. Discuss the different pathways of introduction of invasive species.		[Level:2] [CO2]	
15. Interpret the conservation status of listed by the IUCN.	f any two plant species from	the Western G	hats [Level:2] [CO2]

16. Illustrate the role of forests in providing both economic and aesthetic benefits. [Level:2] [CO2]

17. Discuss how sacred groves help in mitigating the effects of deforestation. [Level:2] [CO3]

18. Illustrate the adaptations of flowers specialized for insects in general. [Level:2] [CO4]

(Ceiling: 36 Marks)

## Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

19. Explain how Vallisneria and Opuntia exhibit different anatomical and morphological [Level:2] [CO1] strategies through their structural adaptations, ensuring their survival in contrasting environments.

20. Explain the various in-situ and ex-situ conservation strategies, and explain their roles [Level:2] [CO3] in biodiversity conservation.

 $(1 \times 10 = 10 \text{ Marks})$ 

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