

**Cont...**

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Analyze the relationship between the flow of energy and the cycling of nutrients within an ecosystem.	K4	CO1
	(OR)			
	11.b.	Examine the role of decomposers in the cycling of nutrients.		
2	12.a.	Categorize an ecological pyramid. How does the energy transfer?	K4	CO2
	(OR)			
	12.b.	Analyze the critical role of microorganisms in the nitrogen cycle.		
3	13.a.	Interpret what will happen when two different species help each other and two different species both need the same food and shelter?	K5	CO3
	(OR)			
	13.b.	Explain the survival of plants that live in water.		
4	14.a.	Assess the strengths and weakness of current environmental education programs in India.	K5	CO4
	(OR)			
	14.b.	Defend the role of non-government organization in environmental education in India.		
5	15.a.	Develop a comprehensive conservation strategy for the unique mangrove forests of the Tamil Nadu coastline.	K6	CO5
	(OR)			
	15.b.	Design a novel application for remote sensing technology that assess the endemic vegetation in the Eastern Ghats of Tamil Nadu.		

**SECTION - C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	List the various edaphic factors that determine plant growth.	K4	CO1
2	17	Analyze the statement 'The water cycle is the carrier or driving force for other biogeochemical cycles'.	K4	CO2
3	18	Assess the different stages of ecological succession in changing the community structure from a pioneer community.	K5	CO3
4	19	Will you recommend Man and Biosphere (MAB) program and explain why?	K5	CO4
5	20	How will you construct a map indicating the vegetation types of Tamil Nadu?	K6	CO5

Z-Z-Z

END