6 pages)	R	eg. No. :		The calle	animals that con	sume	the green plan	ts are	
Code No. :	20209 E	Sub. Code : SEBO 6 A		(a)	Decomposers	(b)	Producers		
B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2023.				(c)	Consumers	(d)	Customers		
		emester	4,	The	pyramid of energy	is			
Botany				(a)	Always inverted				
Major Elective III – PLANT ECOLOGY AND PHYTOGEOGRAPHY				(b)	Always upright				
			13.74	(c)	Not a true pyram	nid			
(For those who joined in July 2017 - 2019)				(d)	Either upright or	rinvert	ted		
Time: Three hours Maximum: 75 marks PART A \leftarrow (10 × 1 = 10 marks)			5.	 Only one dominant species characteristic to a particular area is called 					
		L questions.		(a)	Association	(b)	Lociation		
Choose t	he correct an			(c)	Consociation	(d)	Plant formati	on	
	mosphere co	24	6,	6. The study of the relationships of plants and animals in a natural habitat is called					
(a) 78		(b) 29		' (a)	Association	(b)	Consociation		
(c) 75		(d) 89	有效	(c)	Autecology	(d)	Synecology		
	no of the follo	wing is a biotic factor?	7.	The	burning or combu	stion of	f wastes is calle	d	
		(b) Animals		(a)	Landfill	(b)	Composting		
	and (b)	(d) Soil		(c)	Bioremediation	(d)	Incineration		
	e of transger	nic plants for environmental	12.	(a)	Describe energy	flow ir	n a forest ecosys	tem.	
(a) Pl	nytoremediati	on (b) Bioleaching			s d	Or			
(c) Bi	odegradation	(d) Bioremediation	8	(b)	What are the mo	orpholo	gical adaptation	is seen	
		following is used for the ation about far away objects?			in hydrophytes				
	adium	(b) 'Auxanometer	1 54						
	ador	(d) Colorimeter	13.	(a)	Describe the line		150	oted to	
					study plant com	munity			
		was first proposed by			,	Or			
(a) W	atson	(b) Crick		(b)	Write short notes	s on Au	itecology.		
(c) W	egner	(d) Chase							
	PART B — (5	$\times 5 = 25 \text{ marks}$	14.	(a)	Give a brief acco	unt on	phytoremediati	on.	
Answer A	LL questions	, choosing either (a) or (b).			4)r			
				(b)	Write notes on B	ioleach	ing.		
Each a	nswer should	not exceed 250 words.	100						
11. (a) Gi	ve a brief acc	ount on Carbon cycle.	15.	(a)	Give a brief acco	unt on	Continental dri	ft.	
		Or	新 花			Or	· ,	4	
(b) Ex		e of microbes which influence		(b)	List the differe	nt typ	es of vegetation	ns in	
*	growth on V			1.0	Tamil Nadu				

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PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Give a detailed account on abiotic factors.

Or

- (b) Write an essay on Nitrogen cycle.
- 17. (a) Describe Aquatic ecosystem.

Or

- (b) Give a detailed account on various kinds of adaptations seen in xerophytes.
- 18. (a) Distinguish between association and consociation with examples.

Or

- (b) Describe the quadrat method adopted to study plant community.
- 19. (a) Write an essay on Biosensors.

Or

(b) Write an essay on Bioremediation.

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20. (a) Write an essay on principles of phytogeography.

Or

(b) Write an essay on remote sensing.

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