(i)	Pr	inted	Pages: 3 Roll No				
(ii)	Qu	estio	ns :9 Sub. Code: 0 4 5 5				
			Exam. Code: 0 0 0 5				
			B.A./B.Sc. (General) 5th Semester				
			(2123)				
			BOTANY Daman D. Bland Faciliani				
Т:	o A 11	lowed	Paper—B: Plant Ecology : Three Hours] [Maximum Marks: 36				
Note	e :-		empt five questions in all. Question No. 1 is compulsory				
			select <i>one</i> question from each unit.				
1.	A.	Multiple Choice Questions (MCQ):					
		(i)	Science that deals with the relationships between living				
			organisms with their physical environment and with each				
			other is called:				
			(a) Ecosystem (b) Biodiversity				
			(c) Environment (d) Ecology				
		(ii)	The essential biotic components of ecosystem required				
			for quick breakdown of dead bodies of organisms				
			are:				
			(a) Parasites				
			(b) Scavengers				
			(c) Detrivores				
			(d) Both Scavengers and Detrivores				

The replacement of one community by the other community in a definite sequence is called:										
(a)	Colonisation	(b)	Invasion							
(c)	Sere	(d)	Stabilization							
195	2 due to consur	had caused ning of fishe	epidemic in Japan in es and animals polluted							
		(b)	Mercury							
		(d)	Chromium							
 B. Fill in the blanks: (i) The dispersal of seeds and fruits through agency of animals including human beings is called (ii) are also called ecological pyramids. (iii) The process of formation of bare area where succession can be initiated is called (iv) The melting of glaciers, melting of polar ice caps and increase in sea level are consequences of 										
							UN	I—TI		
						iscuss with examples the interaction between plants and				
						Differentiate between Heliophytes and Sciophytes. 4,3				
							(a) (b) Min 195 with (a) (c) in the anii The car The car The car Coor	community in a def (a) Colonisation (c) Sere Minamata disease 1952 due to consum with: (a) Lead (c) Cadmium in the blanks: The dispersal of sanimals including are also The process of form can be initiated is The melting of glaincrease in sea lead UN scuss with example croorganisms.	community in a definite sequent (a) Colonisation (b) (c) Sere (d) Minamata disease had caused 1952 due to consuming of fisher with: (a) Lead (b) (c) Cadmium (d) in the blanks: The dispersal of seeds and franimals including human being are also called ecolon. The process of formation of bar can be initiated is called. The melting of glaciers, melting increase in sea level are consecutive to the interaction of the consecutive to the consecu	

Briefly discuss the variation in temperature and its effects (a) 3. on distribution of plants. Write a short note on Pedogenesis. (b) 4,3 UNIT-II Explain the ten percent law of energy flow in ecosystem. (a) 4. Explain food chains citing examples. 4,3 (b) Give a detailed account of Carbon Cycle. (a) 5. Discuss the abiotic components of ecosystem. 4,3 (b) UNIT-III Explain the Crustose lichen and Foliose lichen stage of (a) 6. plant succession. (b) Briefly explain cover as a quantitative characteristic of 4,3 community ecology. Write notes on: 7. Importance Value Index (IVI) 4,3 (b) Floating stage of Hydrosere. UNIT-IV Give a detailed account of Acid Rain. 8. (a) 4,3 Explain Bioconcentration. (b) Differentiate between renewable and non-renewable 9. (a) resources. (b) Give a detailed account of Chlorofluorocarbons (CFCs). 4.3