(e)	Density and basal area as an analytical charac	4	
(f)	Community structure and dominance.	4	B.Sc. (Part-I) Semester - II Examination
(a) (b)	Energy flow in an ecosystem	4 4	ENVIRONMENTAL SCIENCE (Ecology & Environment) Time—Three Hours] [Maximum Marks—80
(c)	OR	4	N.B. :— (1) ALL questions are compulsory.
(d) (e) (f)	Food web in ecosystem	n 4 1. (a) Fill in the blanks with appropriate words:	
6. W (a) (b) (c)	CO ₂ method of productivity measurement	4 4 4	(ii) Cuscuta is the example of
(d (e (f	e) Causes of succession	4 4 4	(b) Choose the correct alternative and rewrite the following sentences: (i) In terrestrial ecosystem, the tropic level that would contain the largest biomass:
e	ocus on India as a mega diversity nation. Explai xamples Indian Biodiversity Hotspots. OR Describe with role indicators of water and soil pol	12	(a) Producers (b) Primary Consumers (c) Secondary Consumers (d) Decomposers
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Write on: Identify the possible link 'A' in the following Principles and scope of Ecology food chain: Account on Oxygen Cycle Plant \rightarrow Insect \rightarrow Frog \rightarrow 'A' \rightarrow Eagle Diagrammatic representation of Phophorous Cycle. (a) Snake (b) Parrot OR Rabbit Describe topographic factors 1/2 Tiger Account on Sulfur Cycle Savannas are: Diagrammatic representation of Carbon Cycle. 4 Tropical Rainforest What is Population Ecology? Describe natality, mortality, Forest with closed canopy age structure and growth curve as a population Grassland with scattered trees characteristics. 1/2 (d) Desert OR (iv) Which of the following is not the indicator of What is positive interspecific inter-relationship? Describe with examples mutualism and commensalism. Water Pollution? Chara Write on: Species diversity as a community characteristics. 4 (b) Woolfia Utricularia Frequency and abundance as an analytical characters. 1/2 Pinus (c) Phenology and stratification as a quantitative Answer in ONE sentence: Enlist successive stages of hydrosere.. characters. What is Secondary Succession? OR (d) Presence and constance as a synthetic characters. What is Ecotone? (iv) Give the examples of indicators of Water Pollution. (Contd.) 3 UBS-48851 (Contd.) 2 UBS 48851