				AP-428				
6.	(m)	Describe secondary productivity.	4	A1-420				
	(n)	Define Biomass and its concept.	4	B.Sc. (Part-I) Semester-II Examination ENVIRONMENTAL SCIENCE (Ecology and Environment)				
	(o)	Describe general process of succession.	4					
		OR						
7.	(p)	Define Productivity and its types.	4	77.5 × 34.1.5 × 90				
	(q)	Define Succession and its types.	4	Time—Three Hours] [Maximum Marks—80				
	(r)	Explain Ecological Niche.	4 or in the 4	Note:— (1) All questions are compulsory.				
	(s)	Define Bioindicator and Role of Bioindicate environment.		(2) Question Nos. 2-7 carry equal marks. 1. (A) Fill in the blanks:				
	(t)	Explain India as mega diversity nation.	4	(i) The study of total living population with their				
	(u)	and the second of the second of		interaction called 1/2				
		OR		(ii) % of CO ₂ in atmosphere is ½				
	(v)	With suitable example explain Population Is	ndicator. 4	***				
	(v	() Explain reasons for loss of biodiversity.	4	(iii) is the relation in which one species are benefitted and other species is harmed.				
ž.	(x) Describe the indicators of humidity and rai	infall. 4	(iv) are the producers in the ecosystem				
				 (B) Choose correct alternatives: (i) is gaseous neutrient cycle. (a) Phosphorous 				
				(b) Nitrogen (c) Sulphur				
Į	JWO-	42398 4	325	UWO-42398 1 (Contd.				

		(ii) (iii)	In each ecosystem components are present:		_ components are		(d)	Explain the scope of ecology.	4
			(a)				(e) Defi	Define Biogeochemical cycle and give its sign	ificance
			(b)	Only biotic					4
				e) None of these		3.	(f) (g)	Describe Nitrogen cycle.	4
			` ′		1/2			With the help of diagram explain growth co	irve. 4
				np. is a factor.	•		(h)	Define population ecology and give the na	mes o
	(C)		(a)	1 6 1				Interaction between them.	4
			(b)	Biotic			(i)	Explain Natality and Mortality.	4
			(c)	Climatic	1/2			OR	
					per of Individual		(j)	Describe Negative Interaction.	4
			org	anism at each level.			(k)	Explain dispersal in population ecology.	4
			(a)	Pyramid of Number			(1)	With the help of example explain parasiti	sm and
			(b)	Pyramid of Biomass				mutualism.	4
			(c)	Pyramid of Energy	1/2	4.	Des	cribe the analytical characters of community st	ructure.
		Ans	Answer in ONE sentence:						12
		(ii) (iii)	Def	ine ecosystem.	1			OR	
			Wh	at is population?	1		Discuss in detailed quantitative characters of communit		
			Wh	at are decomposers?	1		stru	cture.	12
	(a) (b)		Wh	What is positive interspecific relationship? 1		5.	Define ecosystem and describe pond ecosystem w		
2.		Give short account of carbon cycle.		ort account of carbon cyc	cle. 4]		significance.	
			ainfall and temperature a		OR				
					4			Describe energy flow in forest ecosystem. Draw a diagram	
	(c)	Describe biotic factors. OR		biotic factors.	4			of 'Y' shaped energy model.	
				OR					
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