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B.Sc. (Part-I) Semester-II Examination

ENVIRONMENTAL SCIENCE

(Ecology and Environment)

Time : Three Hours]				[Maximum Marks: 80				
Note: — ALL questions are compulsory.								
1.	(A)	A) Fill in the blanks with appropriate words:						
		(i) is a hotspot of Biodiversity in India. 1/2						
		(ii) Parasitism is an example of interspecific relationship.						
		(iii) is a gaseous biogeochemical cycle.						
		(iv) is a climatic factor.						
	(B)	Choose the correct alternative and rewrite the following sentences:						
		(i) is an example of commensalism.						
		(a) Vanda (orchid)	(b)	Cuscuta				
		(c) Algae	(d)	Fungi				
		(ii) is an analytic character	of co	ommunity. ½				
		(a) Abundance	(b)	Fidility				
		(c) Quadrat	(d)	Presence				
		(iii) is the reason for biodiversity loss.						
		(a) Forests fires	(b)	Conservation				
		(c) Natality	(d)	Species diversity				
		(iv) The ecological boundaries of the two different floristic composition is re						
		(a) Biodiversity	(b)	Ecotone 1/2				
		(c) Productivity	0.000	Interspecific Relationship				
	(C)	N 8	(u)	merspectite relationship				
	(0)	(i) Define Xerosere.						
		(ii) Define Food Web.						
		(iii) Define Ecosystem.						
		(iv) Define Phenology.						
2.	Des	cribe in brief :						
	(a)	Scope of ecology.						
	(b)	Climatic factors.		4				
	(c)							
	OR							
	(d)	Biotic factors.		4				
	(e)	Significance of 'P' cycle.						
	(f)	Sketch of 'C' cycle.		4				

3.	Fixs	tranker's choice	www.FirstRanker.com	www.FirstRanker.com					
	(g)	Parasitism.		4					
	(h)	Biotic potential.		4					
	(i)	Age structure.		4					
	OR								
	(j)	Predation.		4					
	(k)	Natality and Mortality.		4					
	(1)	Mutualism.		4					
4.	Des	cribe in brief:							
	(m)	Presence and constance.		4					
	(n)	Phenology.		4					
	(0)	Species diversity.		4					
			OR						
	(p)	Frequency.		4					
	(q)	Community study by Q	uadrat method.	4					
	(r)	Dominance.		4					
5.	Des	cribe forest ecosystem w	rith its significance.	12					
			OR						
	Des	cribe food chain in fores	st ecosystem.	12					
6.	Describe the process of succession and causes of succession.								
	OR								
		cribe the concept of P. and O, method?	roductivity. How productivity is	measured by chlorophyll, 12					
7.	7. Explain in brief:								
	(s)	Ecological indicators of	f soil.	4					
	(t)	Types of biodiversity.		4					
	(u)	Reasons for loss of bio	diversity.	4					
			OR						
	(v)	Role of Biological indi	cators in Environment.	4					
	(w)	Hotspots of Biodiversit	y.	4					
	(x)	Global diversity.		4					