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HILLIAN			K25U 0190
Reg. N	o.:		
Name :		Tim, nonceur, nous , syblas	
Sixth	(2019 to 20 CORE COUR	C.S.S. – OBE – Regular, camination, April 2025 (22 Admissions) RSE IN ZOOLOGY vironmental Science	/Supplementary/
Time :	3 Hours		Max. Marks: 40
I. Es	say questions. Each question car	rice 9 marks. Annuar anuar	ST. Paramini S
	Explain the energy flow in an eco	The state of the s	
	Elaborate on the threats to biodiv		
	Describe the zoogeographical rea		
	Describe the characteristics of the		(2×8=16)
	ort essay questions. Each questio	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Describe the process of ecological		uny two.
	Explain the role of biodiversity ho		
	Write a note on in-situ and ex-situ		(2×4=8)
III. Sho	ort answer questions. Each quest	ion carries 2 marks. Answe	
	Define biotic potential.		. City Cix
	What is the significance of ecolog	ical pyramids ?	
	Explain the term "recycling index."		
	What is Liebig's law of minimum ?	The second secon	
	Differentiate between lentic and lo		1000000
13) \	What are endemic species ? Men Western Ghats.		o the
14) 1	Mention the effects of greenhouse	gases on the environmen	t.
15) \	What is an ecological indicator?		(6×2=12)
			P.T.O.
		2.	
		*	
		III	
K25U 0			
IV. Mu	Itiple choice questions. Each que	estion carries 0.5 marks. An	swer an.
16)	Which abiotic factor is essential for	or photosynthesis in produc b) Water	cers :
	a) Temperature	d) Air	
المناورة	c) Visible light What is the first law of thermodyr		
17)	a) Law of energy conservation	D) Law of Charles	atio.
	c) Law of energy flow	d) Law of biotic poter	
18)	Which nutrient cycle is an examp	ole of a sedimentary cycle	fa , Englis or
	a) Carbon cycle	b) Nitrogen cycled) Oxygen cycle	
	c) Phosphorus cycle The combined concept of limiting		
19)	The complined concept of intraction	W Charles Elton	

b) Charles Elton

d) Frederick Frost Blackman

d) Stable population

b) Exponential growth

b) Ecotone

d) Migration

b) Grassland

d) Forest

 $(8 \times 0.5 = 4)$

a) Raymond Lindeman

a) Logistic growth

a) Stratification

c) Succession

a) Desert

c) Tundra

c) Liebig and Shelford

c) Declining population

a) Both species benefit

21) The edge effect is associated with

22) Mutualism is a type of interaction where

20) The J-shaped population growth curve represents

b) One species benefits, the other is harmed c) Both species are harmed

23) Which biome is characterized by permafrost?

d) One species benefits, the other is unaffected