Paper / Subject Code: 77220 / Zoology : Paper I

Q.P.code:51573

Time: - 3 Hours			Marks: - 100	
Note: -				
1) All question	ns are compu	lsory.		
2) All question	2) All questions carry equal marks.			
3) Draw neat	and labeled d	liagrams wherever necessary.		
Q1) A) Fill in the besentence:	olanks choosi	ng the correct options given in	the bracket and rewrite the (5 marks)	
a) An urn shdeclining, fa		f age structure indicates a	population. (stable,	
		a nitrogen fixing bacteria found i obium, Mycobacterium)	n the root nodules of leguminous	
		o species, in which one is benefit (Mutualism, Paras		
d) The role a	1	species has in its environment is che, behaviour, trophic level).	called as its ecological	
e) The Elephant, Li		is the national herita	age animal of India. (Tiger,	
B) Match the colum	nns I and II	and rewrite:	(5 marks)	
Column I	225 G	Column II		
a) Head lous	se	i) Pond		
b) Pirotan Is	land	ii) Red data book		
c) Lentic ec	osystem	iii) Bandipur Sanctuary		
d) Red-slend	der Loris	iv) Ectoparasite		
e) IUCN		v) Gulf of Kutch		
C) State whether t	rue or false.		(5marks)	
a) The loss of potential mo		n a population under actual envir	conmental condition is called	
b) Animals endangered		remely high risk of extinction in t	the wild are termed as critically	
c) Decompo	sers are also l	known as saprophytes.		
d) Climate c	hange is an ir	ntrinsic factor for regulation of po	pulation growth.	
e) Jim Corb	ett national pa	rk is the oldest national park in I	ndia.	

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D) Ar	iswer the following in one sentence:	(5marks)
	a) What is Ramsar Convention?	
	b) Define fecundity.	
	c) Define commensalism.	
	d) What are heterotrophs?	
	e) Define ecosystem.	
Q2) A	A) What are survivorship curves? Describe their types with examples.	(10 Marks)
	OR STATE OF	
Q2) A	A) Describe the population growth patterns.	(10 Marks)
Q2) B	(10 Marks)	
a. b. c. d.	Natality.	
Q3) A	(10 Marks)	
	OR STATE ENDING STATES	
Q3) A	A) What are ecological pyramids? Describe its different types	(10 Marks)
Q3)	B) Write note on any twos	(10 Marks)
	a. Mutualism.b. Food webs.c. Abiotic components of lotic ecosystem.d. Sulphur cycle.	
Q4) A	Answer any two from the following:	(20 marks)
	a) What is ecotourism? Describe few eco-destinations in India.	
, SE	b) Write note on Kaziranga national park.	
23.25 20.25 20.25	c) Give an account of Sanjay Gandhi national park.	
	d) Describe the management strategies and achievements of project Tig	ger in India.
Q5) V	Vrite short notes on (any Four)	(20 marks)
	a) Life tables.	
	b) Malabar Civet.	
	c) Effects of biopiracy.	
1 4 6 6 C	d) Extrinsic mechanism for population growth regulation.	
	e) Oxygen cycle.	
	f) Stratification of ponds and lakes.	

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