(i) I	Printed Pages: 2	Roll No
(ii) (	Questions : 9 Su	b. Code: 0 1 5 6
, ,	Exa	m. Code: 0 0 0 2
	B.A./B.Sc. (Gener	
	ZOOL	
	Paper : I Biodiversity &	
Time .	Allowed : Three Hours]	
Note	which is compulsory ar	n all, including Question No. I, and selecting one question from belled diagram where required.
I. E	explain the following:	
(	a) Mosaic vision	Stanting work as the sale
.(1	b) Gonapophysis/Phallome	eres
. (	c) Conglobate gland	
(0	d) Statocysts	
(	e) Ecological hierarchy	
(1	f) Population	e on year out the way the state.
(1	g) Rectrices	Bug Shagarana MANV. Inc.
(1	h) Bergaman's Rule.	8×1=8
	UNIT	<b>—I</b>
П. (а	a) Describe the mouth pa	rts of cockroach. 4
0	b) Write a note on trache	a of cockroach.
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Ш.	(a)	Define social insects. Describe the social organization honey bee.	tion 4	
	(b)	Classify upto order and write ecological note on	•	
	(-)	(i) Forficula		
		(ii) Bombyx.	3	
UNIT—II				
IV.	(a)	Describe circulatory system of Prawn.	5	
	(b)	Write a note on Antennary glands.	2	
V.		Write a note on habitat and habits of Anopheles mosqu	uito.	
			4	
	(b)	Classify upto order and write ecological note on	:	
rien.		(i) Cancer		
		(ii) Eupagurus.	3	
		UNIT—III		
VI.	(a)	Discus the significance of ecology to mankind.	2	
	(b)	Define food chain. Explain two types of food ch	ains	
		taking one example of each chain type.	5	
VII.	(a)	Enlist the characteristics of a Biotic Community.	3	
	(b)	Explain various types of productivity.	4	
UNIT—IV				
VIII	(a)	Give detailed account of carbon cycle in nature.	5	
	(b)	Write a short note on fossorial adaptations of anir		
			2	
IX.	Wr	ite briefly on:		
	(a)	Growth curve	5	
	(b)	Natality rate.	2	
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