Roll No				
Fourth S		Examination, May-Jun OOLOGY	e, 2022	
		aper III		
		ON ECOLOGY		<b>2.</b> (A
Time : Th	ree Hours ]	[ Maximum Ma	rks : 80	(H
	of very short ans be answered in o Part C (Short ans type) of each que	ach equation in each unit wer type questions which one or two sentences.  Swer type) and D (Long stion should be answered 00-250 and 400-450 wo	ch are to answer d within	() (I)
	U	J <b>nit-I</b>		
<b>1.</b> (A)	What is the purp	oose of life table ?	2	
(B)	Define abriged li	ife table.	2	
(C)	Write a note on	fecundity.	4	
		Or		•
	Explain Mortality	y.		<b>3.</b> (A
				(H

	(D) What is population density? What a different						
	methods to determine population density? 12						
	Or						
	Describe different growth forms of population.						
	Unit-II						
•	(A) Define Emigration. 2						
	(B) Define Immigration. 2						
	(C) Write short note on population cycle. 4						
Or							
	Write a note on age ratio. How it affect the population?						
	(D) What are different factors which regulate population size? 12						
Or							
	Describe different types and uses of age pyramids.						
	Unit-III						
•	(A) Define niche. 2						
	(B) State Liebig's law of minimum. 2						
	[2]						

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(C)	Write a short note on $r$ and $k$ selection. 4					
Or						
	Breeding age and sex ratio.					
(D)	Write in detail about niche segregation. 12					
	Or					
What is competition? Describe different types						
of competition and its effect on population.						
Unit-IV						
(A)	What is antibiosis?					
(B)	Define neutralism. 2					
(C)	Write a note on Proto co-operation. 4					
Or						
	Explain mutualism.					
(D)	Write in detail-Host-parasite relationship.					
Or						
What is predation? What are its components?						
Describe role of predation in nature ?						
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4.