[This	questior	paper contains 3 printed pages.]					
		Your Roll No					
5114		В					
B.Sc. Prog./II							
	LS-2	02-BIODIVERSITY - II (ANIMALS)					
Time	: 3 <i>Ho</i>	urs Maximum Marks: 75					
(Write	your Roll	No. on the top immediately on receipt of this question paper.)					
7		two Sections, Section A and Section B to be answered on separate answer-books.					
	Drav	w labelled diagrams wherever necessary.					
		Section A					
	A	answer three questions in all, including					
		Q. No. 1 which is compulsory.					
1.		aplain the following terms in one or two sentences					
	or	dy: 6					
	(i)	Clitellum					
	(ii) Protonephridia					
	(ii	i) Pseudocoel					
	(in) Cephalization					
	(ν) Deutrostomes.					
	(b) D	ifferentiate between:					
	(i)	Isogamy and Anisogamy					
	(ii) Phagocytosis and Pinocytosis					
	(ii	i) Ectoparasite and Endoparasite					

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	(c)	Give the scientific names of the following:	5
		(i) Sea pen	
8	•	(ii) Cuttle fish	
		(iii) Feather star, • 15 34	
		(iv) Venus's Flower Basket	
		(v) Malarial Parasite.	
2.		e a brief account of respiratory structures in ropoda.	
3.	Exp	lain types of canal system in Porifera.	2
4.	Writ	e short notes on any two of the following: 6+4	5
	(a)	Parasitic adaptation in Platyhelminthes.	
	<i>(b)</i>	Torsion in Gastropoda.	
	(c)	Labelled diagram of Parapodium and Gemmule.	
		. Section B	
		Attempt three questions in all, including	
		Q. No. 1 which is compulsory.	
1.	(a)	Define the following:	4
		(i) Unguis	
		(ii) Pharyngotremy	
		(iii) Euryhaline	
		(iv) Endothermy.	
	(b)	Differentiate between the following:	5
		(i) Hypotonic and Hypertonic	
		(ii) Altricial and Precocial	
		(iii) Chondrichthyes and Osteichthyes.	

	(c)	Classify the following:	4
		(i) Pristis	
		(ii) Hyla	
		(iii) Hydrophis	
		(iv) Herdmania.	
2.	Desc	cribe respiration in fishes and also explain the respirato	гу
	func	tion of Swim-bladder.	12
3.	(a)	Describe the different flight adaptations in birds	. 6
	(b)	Describe migration in Salmon.	6
4.	Writ	te short notes on any two of the following: 6	+6
	(<i>i</i>)	Parental care in Amphibia	
	(ii)	Osmoregulation in fresh water fishes	
	(iii)	Derivatives of integument	
	(iv)	Affinities of Hemichordata	

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