This quest	ion pa	per contains 3 printed pages]					
		Roll No.					
S. No. of Q	uestio	n Paper : 75					
Unique Paper Code		de : 217379 G					
Name of the Paper		Paper II: BIO-201: Biology of Animals: Form, Structure and Function					
Name of th	e Cou	B.Sc. (Prog.) (Applied Life Sciences with Agrochemicals and Pest Management)/II					
Semester		: III					
Duration:	3 Hou	rs Maximum Marks: 75					
	(Write your Roll No. on the top immediately on receipt of this question paper.)						
Answer Section A and Section B on separate answer-books.							
Draw well-labelled diagrams wherever required.							
Section A.							
		Attempt three questions in all.					
		Question No. 1 is compulsory					
1. <i>(a)</i>	Give	the scientific names of the following animals and classify each upto its class: 6					
	<i>(i)</i>	Organ pipe coral					
	(ii)	King crab					
	(iii)	Flying lizard					
	(iv)	Bat					
(b)	Expl	ain the following:					
	(i)	Metamerism					
	(ii)	Enterocoelomates					

			(3)	75	
	(b)	Give	e the exact location and function of the following:	6	
		(i)	Macula densa		
		(ii)	Leydig cells .		
		(iii)	Brunner's gland.		
	(c)	Differentiate between the following:			
		(i)	Chyme and Chyle	4	
		(ii)	Neurogenic and Myogenic heart.		
2.	Give	Give a detailed account of the process of urine formation along with diagrams.			
3.	Define cardiac cycle and discuss the various events occurring during cardiac cycle.				
4.	Write short notes on any three of the following:				
	(i)	Mens	strual cycle	4+4+4	
	(ii)	Pituit	ary gland		

(iii) Oxygen dissociation curve

(iv) Synaptic transmission.