Total No. of Printed Pages: 2

SUBJECT CODE NO: - Y-2190 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. (PATTERN-2013) (F.Y SEM II)

		Sc. (PATTERN-2 Examination Ap	2013) (F.Y SEM 1 oril / May - 2024	1)	
	Zoology Paper-IV			d Protochordata	4135
[Time: 1:	:30 Hours]	_zrinsamurdával.	bna isgraim ai noi	[Max. Ma	rks:50
		whether you hav	e got the right que		
N. B		npt all questions.		lactic by 4 Kg	
			with suitable labe	lled diagram.	nee i
	Anna, Company		6/	esati to 3 MM (b = a .	
Q.1 Desc	cribe in detail nervo	us system of Prav	vn.		20
		0]			
Give	e an account of diges	stive system of co	ckroach.	Carialiso disellari	
Q.2 Expl	ain in detail water v	ascular System o	f sea star.		20
		OI			1
Writ	te short notes:-				
a) Uı	ropod in Prawn.				
b) M	outh parts of Cockr	oach.			
c) He	eart of Pila.		Americanics (
d) M	orphology of Herdn	nania.			
e) Ge	eneral characters of	protochordata.			
f) Br	achiolaria larva.			es alexandra particle	
Q.3 Selec	ct and write correc	t answer from th	e given alternati	ves in each sub	10
Ques	stion .		Anna Caranta		
	Andrews American				
1.	J 1			dentile the second	
	a) Antenna	b) Antennule	c) Maxilla	d) Mandible	
2.	Number of paired	spiracle in Cockr	oaches are.		
	a) Two	b) Three	c) Six	d) Ten.	
Andrewsky Angry					
3.	Respiratory pigme	ent in Pila is			
	a) Haemoglobin		b) Erythrocin		
	c) Haemo cyanin		d) None		

	4. Locomotion in sea	star is by					
SOVE 15/0	(a) Lobopodia	b) Pseudopodia	c) Tube feet	d) Uropod.			
BYSHY)	The salivary gland of cockroach secret						
O PART	a) Ptyalin	b) Amylase	c) Trypsin	d) Pepsin			
	In Pila fertilization is internal and development is						
	a) Internal	a) Internal					
	b) External						
	c) Partially interna	c) Partially internal and Partially external					
	d) None of these.						
				A sharenda Sa			
	Respiratory organ of sea star is						
	a) Pedicellarice		b) Tube feet				
	c) Papulae	The state of the s	d) Podia.				
	3. Cephalochordates						
	a) Filter feeder		b) Predator				
	c) Carnivores		d) All.				
	Carrier						
9	Protochordata four						
	a) Freshwater		b) Marine water				
	c) Both a & b		d) None of these.				
,	T 1 - 1 - 1 - 1	1	nder die baserie es 23				
		In hemichordates body is typically divided into					
	a) Head neck and t		b) Head trunk and t				
	c) Proboscis, colla	r and trunk	d) Proboscis, collar	and tall.			

