BACHELOR OF SCIENCE (BIOTECHNOLOGY) (CBCS - 2015 COURSE) F.Y.B.Sc. (Biotech) Sem-I: WINTER: -2021 SUBJECT: ANIMAL SCIENCE

Day: Tuesday Date 1/2/2022				Time: 10:00 AM-01:00 PM Max. Marks: 60		
	N.B.		and the second s			
1)		1)	Q.1 and Q.5 are COMPULSORY . Answer any TWO questions from Section – I and Section – II.			
2)			Figures to the right indicate FULL marks.			
			Answers to both the sections should be written in SEP	ARATE answer book	ζ.	
4) Draw neat and labeled			Draw neat and labeled diagrams wherever necessary.	diagrams wherever necessary.		
	SECTION – I					
	Q.1		Attempt any FIVE of the following:		(10)	
		a)	Give systematic position of Amoeba.		` ,	
		b)	Define sexual dimorphism. State any two sexual dimorph	hic characters in rat.		
		c)	Enlist different types of nephridia in earthworm with their	ir locations.		
		d)	Write role of MSH and its secretion.			
		e) f)	Sketch and label Trophozoite stage of <i>Entamoeba histoly</i> Define aquaculture.	rtica		
		1)	Define aquaeutture.			
	Q.2		Attempt the following questions:		(10)	
	C	a)	With the help of labeled diagram describe nervous system	n of rat.	()	
		b)	Explain female reproductive system of earthworm with w			
	Q.3		Attempt the following questions:	ı	(10)	
		a)	Explain digestive system of rat and add steps of digestion			
		b)	Describe in brief histological structure of pituitary gland	in mammals.		
	Q.4		Write short notes on any TWO of the following;		(10)	
	۳.۷	a)	Describe different types of blood cells in rat with their fu	nctions	(10)	
•			Describe the role of estrogen and progesterone.			
,		•	Explain five kingdom approach of classification.			
		-,	SECTION – II			
			SECTION - II			
	Q.5		Attempt any TWO of the following:		(10)	
		a)	Explain economic and ecological importance of vermin-c	compositing.	,	
		b)	Describe life cycle of <i>Plasmodium vivax</i> in man.	- 1 -		
		c)	Write a note on the technique of sericulture.			
	0.6		Attempt the following questions:		(10)	
	Q.6	a)	Attempt the following questions: Explain economic importance of honey bee and add a not	te on hee products	(10)	
		a) b)	Describe in brief hormones secreted by neurohypophysis.	Г		
		υ,	besome in one normones secreted by neuronypophysis.	• !		
	Q.7		Attempt the following questions;		(10)	
		a)	What is pearl fishery? Add a note on pearl formation.			
		b)	Describe the role of insulin and glucagon in relation to di	abetes.		
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	Q.8		Describe the life cycle of <i>Ascaris</i> and add a note on its m	node of infection,	(10)	
			pathogenicity and control measures.			