BACHELOR OF SCIENCE (BIOTECHNOLOGY) (CBCS-2021 COURSE) B.Sc. (Biotechnology) Sem - I: WINTER: - 2021

SUBJECT: ANIMAL SCIENCE

7-01-2	day 2022	W-24849-2021	Time: 10:00 AM-01:00 PM Max. Marks: 60
N.B.			
	1)	All questions are COMPULSORY .	
	2)	Figures to the right indicate FULL marks.	
	3)	Draw neat and labelled diagram WHEREVER n	
	4)	Both section should be written in SAME answer	books.
		SECTION - I	
Q.1		Attempt any FIVE of the following.	
	a)	Give classification of Euglena.	
	b)	Write significance of clitellum in earthworm.	
	c)	What is composition of blood plasma?	
	d)	Explain dental formula of rat.	
	e)	Write functions of liver in rat.	
	f) g)	Enlist five kingdom with one example each. Sketch and label spermatheca in earthworm.	
	g)	sketch and laber spermatheca in earthworm.	
Q.2		Attempt any TWO of the following.	
	a)	Explain habit, habitat and external morphology of ea	rthworm.
	b)	With suitable diagram describe intestinal blood vascu	
	c)	Explain phylum protozoa with any two examples.	İ
Q.3		Attempt any TWO of the following.	!
	a)	With suitable labeled diagram explain digestive syste	em of rat.
	b)	With suitable diagram describe internal structure of h	
	c)	Describe effects of hyposecretion and hypersecretion	
		SECTION - II	
Q.4		Attempt any FIVE of the following.	(
	a)	Define sericulture and apiculture.	
	b)	Write pathogenicity of Entamoeba histolytica.	
	c)	Define commensalism with one example.	
	d)	Sketch and label sporozoite stage of <i>Plamodium viva</i>	Х.
	e)	Write mode of infection of <i>Taenia solium</i> .	
	f)	Explain in brief duties of worker bee.	
	g)	How important is animal research in drug discovery?	
Q.5		Attempt any TWO of the following.	(
	a)	Explain in brief life cycle Entamoeba histolytica.	
	b)	Explain in brief life cycle <i>Plamodium vivax</i> in man.	
	c)	Write mode of infection, pathogenicity and controllumbricoides.	ol measures in Aacaris
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Q. 6		Attempt any TWO of the following.	(
Q.6	a)		`
Q.6	a) b)	Attempt any TWO of the following. Define sericulture and add note on different types of Explain economic and ecological importance of verm	silk worms.