M.Sc. S.Y. (Zoology) (C.B.C.S. Pattern) Sem-IV

ZOO-XIV / PSCZOOT14.4-Special Group-Animal Physiology-III (Physiology of Brain, Nerve And Muscle)

	P. Pages: 1 Time: Three Hours				GUG/S/19/11432 Max. Marks : 80		
	Notes		1. 2. 3.	All questions are comp All questions carry equ Draw neat labelled diag	ıal marks.	er necessary.	
1.	Write an essay on brain stem, indicating the functions attributed to each area. OR						a. 16
		Wr	ite no	otes on :			
	a) Compare slow wave and paradoxical (REM) sleep.						
	b) Discuss the functions of each of the following:						
			i)	Astrocytes	ii)	Oligodendrocytes	
			iii)	Ependymal cell	iv)	Microglia	
2.		Wr	ite an	essay on ultra structure	e of neuron.		16
					0	R	
	Write notes on:						
	a) Give an account on generation of action potential.						
	b) Describe the sequence of events that occur during propagation of nerve impulse.						-
3.	Enlist and describe the functions of neuropeptides.						
	OR						
		Wr		otes on:			
		a)	-	plain the events involve		-	
		b)		·		rage of GABA and serotonin.	
4.		Des	scribe	e the structure of skeleta		d a note on banding pattern.	16
		***	.,		O	R	
				otes on :	1		
		a)	-	plain twitch summation		ions	
5.	b) Compare isotonic and isometric contractions.Attempt the following.					ions.	16
5.			-	rebellum			10
		a)					
		b) c)		uronal excitability kinson disease			
		d)		uromuscular junction			
		u)	110	uromuscular juncuon	*****	*****	