M.Sc.-II (Zoology) (CBCS Pattern) Semester - IV

PSCZOOT14.4 - Core Elective - Special Group - Paper-XIV (Credits 4) Animal Physiology Paper-III (Physiology of Brain, Nerve and Muscle)

P. Page Time :	es: 1 Three H	 	GUG/S/23/11432 Max. Marks : 80
N		 All questions are compulsory. All questions carry equal marks. Draw well labelled diagrams wherever necessary. 	
1.		nat is the difference between the brain and the cerebrum? Comment on an acture and functions of cerebrum?	atomical 16
		OR	
	Wri a) b)	ite notes on: Functions cerebellum. Physiology of sleep.	8
2.		nat are the types of neurons in terms of the function of the impulses they to mment on functional properties of each neuron.	ransmit? 16
		OR	
	Wri a) b)	ite notes on: Structure and functions neuron. Molecular mechanisms of synaptic transmission.	8
3.		we detailed account on the synthesis and functions of thyrotropin releasing blecystokinin.	g hormone and 16
		OR	
	Wri a) b)	ite notes on: Biosynthesis, storage and release of Acetylcholine. Classification of sensory receptors.	8 8
4.	Des	scribe in detail the ultrastructure of skeletal muscle.	16
		OR	
	Wri a) b)	ite notes on: Sliding filament theory. Ultrastructure of Neuromuscular Junction.	8 8
5.	Atto a) b) c) d)	empt the following. Anatomical structure and functions midbrain. Generation of action potential. Parkinson's disease. Twitch and tetanus.	16
