Total Pages: 2

B.Sc./3rd Sem (H)/PHYS/22(CBCS)

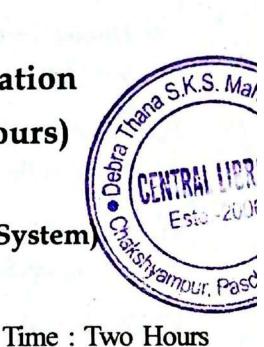
2022

3rd Semester Examination PHYSIOLOGY (Honours)

Paper: C 7-T

(Functions of the Nervous System)





Full Marks: 40

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

A.	Ansv	wer any five questions:	2×5=10
	1.	What do you mean by reticular formation	? 2
	2.	What are the cerebellar deep nuclei?	2
	3.	What is Brown-Sequard syndrome?	2
	4.	What do you mean by Non-REM sleep?	2
	5.	Write the differences between fast pain ar	nd phasic
		pain.	2
	6.	What do you mean by withdrawal reflex?	2
	7.	What is basal ganglia?	2

8. What is Papez Circuit?

B.	Answer	any	four	questions	:
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 $5 \times 4 = 20$

- 9. Discuss briefly the regulation of posterior pituitary secretion, with suitable diagram.
- 10. What do you mean by lower motor neuron?

 Mention the function of cerebellum. 2+3
- 11. Write the causes of hunger and thirst. Write their neural regulation. 3+2
- What is dysmetria? Discuss the changes of EEG in different stages of sleep and wakefulness. 2+3
- 13. Discuss briefly the mechanism of posture and its regulation. 3+2
- What is Parkinson's disease? Write down the anatomical organization of thalamus.

C. Answer any one question:

 $10 \times 1 = 10$

15. Write down the function of medulla oblongata. Describe the mclecular structure of the Cerebral Cortex. Write down the functions of neocortex.

2+5+3

16. Describe the distribution and functions of the sympathetic nervous system. How the body temperature is regulated by higher centers?

(4+3)+3