

U.G. 3rd Semester Examination - 2020

PHYSIOLOGY

[HONOURS]

Course Code : PHYSIOL-H-CC-T-07

(Functions of the Nervous System)

Full Marks : 40

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **five** questions: 2×5=10
- a) Compare between monosynaptic and polysynaptic reflex.
 - b) What is Brown-Sequard syndrome?
 - c) What do you mean by somatic pain?
 - d) Why reticular formation is absolutely essential for life?
 - e) What is Papez circuit?
 - f) What is the function of feeding centre?
 - g) What do you mean by amnesia?

2. Answer any **two** questions: 5×2=10
- a) What is referred pain? Explain with an example.
 - b) Describe the functions of thalamus.
 - c) What are the main differences between upper and lower motor neuron lesion?
 - d) Differentiate REM and NREM sleep.
3. Answer any **two** questions: 10×2=20
- a) Name the descending tracts and give an account of each of their function. 5+5
 - b) What are the main waves of EEG? Write their characteristic features. 5+5
 - c) Why cerebellum is called silent area? Describe the functions of cerebellum. 2+8
 - d) What is memory? How do you classify memory? Explain different forms of learning. 2+2+6

[Turn Over]