

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023
(Regular/Improvement/Supplementary)
PSYCHOLOGY
GPSY2C03T: HUMAN PHYSIOLOGY - II

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries *two* marks.
(Ceiling 20 Marks)

1. What are Schwann Cells? Mention their functions.
2. What are multipolar neurons?
3. Define Neuroglia.
4. What is Cerebro-spinal fluid? Comment on its functions.
5. Explain Brain Stem.
6. List out the effects of cerebellar damage.
7. What are ionotropic receptors? Give two examples.
8. What do you mean by lateralization?
9. Comment on the sensory aspects of communication.
10. Explain the organization of Cerebral cortex.
11. Differentiate between alpha waves and beta waves.
12. What is a CT scan? How does it differ from X rays?

SECTION B: Answer the following questions. Each carries *five* marks.
(Ceiling 30 Marks)

13. Explain the structure of a neuron.
14. With the aid of a diagram explain the structure of a synapse. Add a note on synaptic transmission.
15. Explain the circuitry of direct pathway in Basal Ganglia.
16. Discuss the function of cerebellum in overall motor control.
17. Give an account on the components and functions of Basal Ganglia.
18. Explain restorative and conservation theory of sleep.
19. What is EEG? Explain its application.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. What is reflex action? Explain different types of reflex action with examples.
21. Elaborate on the sensory, motor and association areas of the brain.

(1 x 10 = 10 Marks)