

C 43205

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Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2023**

Psychology

PSG 2C 01—HUMAN PHYSIOLOGY—II

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer in a sentence.**Answer all questions.**Each question carries 1 mark.*

1. Which is the outer covering of gray matter over the hemispheres ?
2. Which are the two types of cells seen in nervous system ?
3. What is a Synapse ?
4. What is the upper layer of cerebral hemispheres called ?
5. Which part of the hind brain controls breathing and heart beat ?
6. What is resting potential ?
7. What are neurotransmitters ?
8. A liquid cushion that gives buoyancy to the CNS organs is _____.
9. Which is the special type of fluid connective tissue derived from mesoderm ?
10. What are nissl bodies ?

(10 × 1 = 10 marks)

Section B (Short Answers)*Answer any five questions.**Each question carries 2 marks.*

- | | |
|--------------------------------|--------------|
| 11. Meninges. | 16. Aphasia. |
| 12. Blood-brain barrier (BBB). | 17. Reflex. |

Turn over

13. Astrocytes.
14. Thrombopoiesis.
15. Corpus callosum.
18. REM sleep.
19. EEG.
20. Postsynaptic neuron.

(5 × 2 = 10 marks)

Section C

Answer in a Paragraph.

*Answer any **five** questions.*

Each question carries 4 marks.

21. Which are the different types of neurons ?
22. What are the principal purposes of spinal cord ?
23. What are the functions of cerebellum ?
24. Where is Hypothalamus located ? What are its major functions ?
25. Which are the commonly used brain stimulation techniques ?
26. What are the functions of basal Ganglia ?
27. Role of basal ganglia in cognitive control.
28. Which are the different types on neurons ?

(5 × 4 = 20 marks)

Section D (Essay Questions)

*Answer any **two** questions.*

Each question carries 10 marks.

29. Explain how a nerve impulse is generated and transmitted.
30. Examine the motor functions of cerebellum in overall motor control.
31. Explain the functions of association areas in brain.
32. What is brain imaging ? Which are the different techniques to do brain imaging

(2 × 10 = 20 marks)