

C 4398

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2021**

Psychology

PSG 2C 01—HUMAN PHYSIOLOGY—II

Time : Two Hours

Maximum : 60 Marks

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

1. Which are the two types of cells seen in nervous system ?
2. What is a Synapse ?
3. What is the upper layer of cerebral hemispheres called ?
4. Which part of the hind brain controls breathing and heart beat ?
5. What is resting potential ?
6. The largest part of forebrain is _____.
7. Which is the site of communication between 2 neurons or between neuron and effector cells ?
8. _____ is an inflammation of the meningeal layers that is caused by either a bacterial or viral infection.
9. _____ Neurotransmitter acts as a ferry service in the synaptic gap.
10. What are Nociceptors ?

(10 × 1 = 10 marks)

Section B (Short Answers)*Answer at least five questions.**Each question carries 2 marks.**All questions can be attended.**Overall Ceiling 10.*

- | | |
|--------------------------------|----------------------|
| 11. Blood-Brain Barrier (BBB). | 12. Astrocytes. |
| 13. Thrombopoiesis. | 14. Corpus callosum. |

Turn over

2

15. Aphasia.
16. Medulla.
17. Basal ganglia.
18. NREM Sleep.
19. MRI.
20. Hemispheric asymmetry.

(5 × 2 = 10 marks)

Section C

*Answer at least **four** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 20.

21. What are the principal purposes of spinal cord ?
22. What are the functions of cerebellum ?
23. Where is Hypothalamus located ? What are its major functions ?
24. Which are the commonly used brain stimulation techniques ?
25. What are the major causes of brain lesions ?
26. Examine the language functions of the brain.
27. How does a nerve impulse is conducted ?
28. Explain the parts of cerebral cortex.

(4 × 5 = 20 marks)

Section D (Essay Questions)

*Answer any **two** questions.*

Each question carries 10 marks.

29. Draw a neat diagram of a neuron and explain its structure.
30. Explain, how a nerve impulse is generated and transmitted ?
31. Elucidate the reflex action.
32. What is brain imaging ? Which are the different techniques to do brain imaging ?

(2 × 10 = 20 marks)