

19U223S

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Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS – UG)

(Supplementary/Improvement)

CC15U PSY2 C01 – HUMAN PHYSIOLOGY

(Physiology - Complementary Course)

(2015 to 2018 Admissions)

Time: Three Hours

Maximum: 80 Marks

Part A

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

Answer in a single word:

1. Which nerve that carry impulses from brain and spinal cord to effector?
2. Which part of brain is known as little brain?
3. Name the neurological condition characterized by the inability to recognize the face of familiar people.
4. Name the area for language comprehension.
5. Which substance that appears as H in a transverse section of the spinal cord?

Fill in the blanks:

6. _____ are the scattered masses of gray matter submerged in subcortical substances of cerebral hemisphere
7. _____ is the broad band of commissural fibers, connecting the two hemispheres.
8. _____ is the study of electrical activities of brain
9. CSF is formed by _____, situated within the ventricles of brain
10. _____ is the non- propagated electrical potential that develops during the process of synaptic transmission

(10 x 1 = 10 Marks)

Part B

Answer *all* questions. Each question carries 2 marks.

11. Lesioning.
12. Paradoxical sleep.
13. Blood brain barrier
14. Reticular activating system.

15. Putamen circuit.
16. Vestibulocerebellum.
17. Somatic nervous system.
18. Spinal nerves.
19. Differences between Schwann cell and oligodendrocytes.
20. Brain stem.

(10 x 2 = 20 Marks)

Part C

Answer any *six* questions. Each question carries 5 marks.

21. Cerebro spinal fluid.
22. Rhombencephalon.
23. Types of reflexes.
24. Association areas of brain.
25. Functions of basal ganglia
26. Autonomic nervous system.
27. Theories of sleep.
28. Meninges.

(6 x 5 = 30 Marks)

Part D

Answer any *two* questions. Each question carries 10 marks.

29. Explain the structure of synapse and synaptic transmission.
30. Explain neuroanatomical research methods.
31. Explain cerebellum in overall motor control.
32. Explain the structure of neuron and its function

(2 x 10 = 20 Marks)
