

15U222

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Name.....

Reg.No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, JUNE 2016

(CUCBCSS – UG)

(Complementary Course: Psychology)

CC15U PSY2 C01 – Human Physiology II

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

I. Answer all questions: Each question carries 1 mark.

A. Answer in single word:

1. Which part of nervous system consists of the brain and spinal cord?

- | | |
|------------------------------|-------------------------------|
| a. Peripheral Nervous System | b. Autonomous Nervous System |
| c. Central Nervous System | d. Sympathetic Nervous System |

2. Which part of the brain controls emotions?

- | | |
|------------------|-----------------|
| a. Limbic System | b. Thalamus |
| c. cerebellum | d. Hypothalamus |

3. Which area helps in interpretation of visual language?

- | | |
|--------------------|----------------|
| a. Cerebral Cortex | b. Spinal Cord |
| c. Cerebellum | d. Amygdala |

4. Which of the following is not an neurotransmitter

- | | |
|-------------------|------------------|
| a. Dopamine | b. Acetylcholine |
| c. Chlorpromazine | d. Epinephrine |

5. Which lobes lie at the crown of the head and contain the somatosensory cortex?

- | | |
|-------------------|--------------------|
| a. Frontal lobes | b. Occipital lobes |
| c. Parietal lobes | d. Temporal lobes |

B. Fill in the blanks.

5. ----- is the lowest part of brain located at the rear base of the skull

6. ----- acts as a independent center of reflex movement

7. ----- is a computer enhanced X-ray of brain structure.

8. *Globus pallidus* is a part of -----

9. is also known as paradoxical sleep

10. Skeletal muscles are controlled by..... (10×1= 10marks)

II. Short answer type questions. Answer All the questions. (Two marks each)

11. Glia cells.

12. Action potential.

13. Language area.

14. Wernicke's aphasia.

15. GABA

16. PET

17. Limbic system.

18. Basal ganglia.

19. RAS.

20. Neuro transmitter.

(10×2 = 20 marks)

III. Short-essay. Answer any six. (Five marks each)

21. Theories of sleep.

22. Functions of brain in communication.

23. Differentiate between monosynaptic and multi synaptic reflex.

24. Function of cerebellum in overall motor control.

25. Cerebrospinal fluid.

26. Function of specific cortical areas.

27. Parkinson's disease.

28. Hemisphere dominance.

(6×5= 30 marks)

IV. Essay Type questions. Answer any two. (Ten marks each)

29. Write an essay on association areas and its functions.

30. Explain the brain imaging techniques.

31. Illustrate the structure and functions of central nervous system.

32. What is reflex action? Discuss different types.

(2×10= 20 marks)
