

15U415

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Name:.....

Reg. No.....

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2017

(CUCBCSS-UG)

Psychology - Complementary Course

CC15U PSY4 C01- HUMAN PHYSIOLOGY IV

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

PART – A

Answer all questions. Each question carries one mark

1. Body's water homeostasis is maintained by -----
a) Hippocampus b) Amygdala c) Hypothalamus d) Thalamus
2. Which disorder is associated with eating non nutritious substances?
a) Anorexia b) Bulimia c) Cachexia d) Picca
3. Decreased blood volume causes -----
a) Osmotic thirst b) Hypovolemic thirst c) Cellular dehydration thirst d) Polydypsia
4. Programmed cell death is known as -----
a) Apoptosis b) Mitosis c) Meiosis d) Neurotoxic death
5. Insulin is secreted by ----- cells.
a) Beta cells b) fat cells c) adipose cells d) gastric cells

Answer in a single word

6. Which area is known as the satiety center?
7. Which is the neurotransmitter associated with Parkinson's diseases?
8. Name the gland which produces androgens in female.
9. The brain structure mainly controls the emotional experiences associated with fear.
10. Stimulation of punishment centers of brain causes the development of a behavior pattern, known as;

(10x1=10 marks)

PART-B

Answer all questions. Each one carries two marks.

11. Cerebral Ischemia.
12. Apoptosis.

13. Fetal hormones.
14. Cachexia.
15. Leptin.
16. Cerebral hemorrhage.
17. Neurotoxins.
18. Pubertal hormones.
19. BMI
20. Rage.

(10x2=20 marks)

PART- C

Answer any 6 questions. Each carries 5 marks.

21. Briefly describe the brain infections.
22. Explain the functions of amygdale and Hypothalamus.
23. Describe the structure and functions of limbic system
24. Explain the role of hypothalamus in hunger and food intake.
25. Briefly mention about eating disorders.
26. Mention the three syndromes which cause the development of intersex individuals.
27. Write a note on epilepsy.
28. Brain tumors.

(6x5=30 marks)

PART- D

Answer any 2 questions. Each carries 10 marks.

29. Explain the short term, long term regulation and role of hormones in food intake.
30. Describe the effect of gonadal hormones and the hypothalamus- pituitary- gonadal axis in male and female reproductive related behavior.
31. Briefly describe the symptoms and causes of different neuropsychological disorders.
32. Give a detailed account of the physiological basis of thirst and factors in water regulation.

(2x10=20 marks)

PART-B
