

18U413

(Pages: 2)

Name: .....

Reg. No.....

**FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020**

(CUCBCSS-UG)

(Regular/Supplementary/Improvement)

**CC15U PSY4 C01 - HUMAN PHYSIOLOGY IV**

(Psychology - Complementary Course)

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

**PART A (Objective Type)**

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

Multiple Choices. Choose the correct answer:

1. The process of chewing is also known as
  - a. Deglutition
  - b. Mastication
  - c. swallowing
  - d. Vomiting
2. Vasopressin is also known as
  - a. Oxytocin
  - b. ADH
  - c. Renin
  - d. FSH
3. In the absence of testosterone primordial gonad develops into -----
  - a. Testes
  - b. Ovary
  - c. Male Gonad
  - d. uterus
4. The brain structure which helps in consolidation of memory
  - a. Amygdala
  - b. Hippocampus
  - c. Cingulate gyrus
  - d. Medulla
5. Neurofibrillary tangles are characteristic of ----- diseases
  - a. Parkinson
  - b. Alzheimer
  - c. Huntington
  - d. Multiple sclerosis

Fill in the blanks:

6. ----- is known as hunger centre.
7. BMI below 18 means the person is -----
8. Milk ejection is a function of ----- hormone.
9. In limbic system ----- deals with consolidation of memory.
10. Hypovolumic thirst is associated with ----- hunger.

**(10 x 1 = 10 Marks)**

**PART B**

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

11. Anorexia nervosa.
12. Explain osmoreceptor and baroreceptor.
13. What is orgasm?
14. Pleasure incentive theory.

15. Grand mal epilepsy.
16. Arcuate Nuclei.
17. Mullerian duct.
18. Difference between leptin and ghrelin.
19. Viral infections of brain with example.
20. What is neuroplasticity.

**(10 x 2 = 20 Marks)**

### **PART C**

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

21. Explain the neural centers which regulate eating.
22. Functions of ADH in the regulation of water balance.
23. Explain the role of sex hormone in the prenatal development.
24. Explain limbic system.
25. Thirst- types and its difference.
26. Write a short note on Alzheimer's disease.
27. Differentiate between puberty in males and females.
28. Write a short note on the functions of amygdala.

**(6 x 5 = 30 Marks)**

### **PART D**

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

29. Write an essay about various factors which control eating behavior.
30. Explain common causes of brain damage.
31. Explain the Different phases of adult male and female sexual act.
32. Write an essay about the role of hypothalamus in emotion.

**(2 x 10 = 20 Marks)**

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