

15U317

(Pages:2)

Name:

Reg. No.....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(CUCBCSS - UG)

Psychology - Complementary Course

CC15U PSY3 C01- HUMAN PHYSIOLOGY III

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

I. Answer *all* questions. Each question carries **one mark :**

A. Answer the following:

1. Name the pigment that absorbs the light that reaches the retina.
2. Which system co ordinates the various activities of the body along with nervous system?
3. Name the bone attached to the medial side of tympanic membrane.
4. Which are the receptors that report our arm position ant muscle tension?
5. Where is the primary gustatory area located?

B. Fill in the blanks:

6. The area where the optic nerves from the two eyes converge and rear is called -----
7. The chemical signals released by an organism that influence the behavior of other organisms of the same species are known as -----
8. ----- is the frequency range of human hearing.
9. ----- gland is very active in infancy and degenerate during adolescence.
10. H^+ ions associated with ----- taste modality.

(10 x 1 =10 Marks)

II. Answer *all* questions. Each question carries **two marks**

11. Exocrine gland.
12. Pancreas.
13. Vibration and itch.
14. Cochlea.
15. Photoreceptors.
16. Taste buds.
17. Rhodopsin.
18. Olfactory bulb.
19. Presbyopia.
20. Sensory transduction.

(10 x 2 = 20 Marks)

III. Answer *any six* questions. Each question carries **five marks**

21. Mention the functions of hypothalamus and pituitary gland.
22. Explain the different categories of smell.
23. Major theories of colour vision.

24. Explain the transduction of primary tastes in taste receptor cells.
25. Colour blindness.
26. Transmission of olfactory signals to brain.
27. Anatomy of ear.
28. Statoreceptors.

(6 x 5 = 30 Marks)

IV. Answer any *two* of the following. Each carries **ten** marks.

29. Briefly describe the major endocrine glands and their hormones.
30. Explain the main sensory pathways for the transmission of somatic signals to central nervous system.
31. Describe the anatomy of human eye and visual pathways.
32. Write an essay on visual defects.

(2 x 10 = 20 Marks)

Answer all questions. Each question carries one mark.

A. Answer the following:

1. Name the pigment that absorbs the light that reaches the retina.
2. Which system coordinates the various activities of the body along with nervous system? *****
3. Name the bone attached to the medial side of tympanic membrane.
4. Which are the receptors that report our arm position and muscle tension?
5. Where is the primary gustatory area located?

B. Fill in the blanks:

6. The area where the optic nerves from the two eyes converge and tear is called _____.
7. The chemical signals released by an organism that influence the behavior of other organisms of the same species are known as _____.
8. _____ is the frequency range of human hearing.
9. _____ gland is very active in infancy and degenerates during adolescence.
10. H₂ ions associated with _____ taste modality.

(10 x 1 = 10 Marks)

II. Answer all questions. Each question carries two marks.

11. Exocrine gland.
12. Pancreas.
13. Vision and itch.
14. Cochlea.
15. Photoreceptors.
16. Taste buds.
17. Rhodopsin.
18. Olfactory bulb.
19. Presbyopia.
20. Sensory transduction.

(10 x 2 = 20 Marks)

III. Answer any six questions. Each question carries five marks.

21. Mention the functions of hypothalamus and pituitary gland.
22. Explain the different categories of smell.
23. Major theories of colour vision.

(2)

(1)