

C 83017

(Pages : 3)

Name.....63

Reg. No.....

**SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2015**

(CUCBCSS-UG)

Complementary Course

Psychology

PSY 2C 01—HUMAN PHYSIOLOGY—II

Time : Three Hours

Maximum : 80 Marks

**Section A (Objective type Questions)**

*Each question carries 1 mark.*

*Multiple Choices. Choose the correct answer.*

1. The aperture controlling the amount of light entering the eye is called :  
(a) The pupil. (b) The lens.  
(c) Ciliary muscles. (d) The cornea.
2. For the reception of stimuli governing equilibration and orientation in space, we have :  
(a) Statoreceptor. (b) Cryoreceptor.  
(c) Pinnae. (d) Vestibular Coloumn.
3. Circumvallate, Foliate and Fungiform are terms that are associated with the sense of :  
(a) Touch. (b) Olfaction.  
(c) Gustation. (d) Audition and vision.
4. Who developed the trichromatic theory of colour vision ?  
(a) Ewald Hering. (b) David Hubel and Tortsten Wiesel.  
(c) Stephen Kuffler. (d) Thomas Young and Hermann von Helmholtz.
5. \_\_\_\_\_ transmit information about warmth.  
(a) Meissner's corpuscles. (b) Pacinian corpuscles.  
(c) Ruffini endings. (d) Krause's bulbs.

Fill in the blanks :

6. Ishihara is the test for \_\_\_\_\_.
7. The sensory structure of the cochlea is called the spiral organ or \_\_\_\_\_.
8. The olfactory receptor neurons transmit the information to the \_\_\_\_\_, which are located at the back of the nose.

Turn over

9. The \_\_\_\_\_ was proposed by Ronald Melzack.
10. Adrenocorticotrophic Hormone (ACTH) is a hormone produced by \_\_\_\_\_.

(10 × 1 = 10 m)

### Part B

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

11. Cochlear nerve.
12. Tonsil.
13. Epiglottis.
14. Fungiform papillae.
15. Tactile Receptor.
16. Thymus.
17. Statoreceptor.
18. Olfactory epithelium.
19. Thyroidism.
20. Endocrines.

(10 × 2 = 20 m)

### Part C

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

21. Write a short paragraph on the importance of retinal disparity.
22. Describe hearing abnormalities.
23. Write a short note on the organization of the olfactory membrane.
24. Explain the transmission of thermal signals.
25. Explain the transmission of signals via taste pathways.
26. Describe the position senses and the sensory receptors.
27. Explain the functioning of the pain suppressive system.
28. Explain the mode of action of hormones.

(6 × 5 = 30 m)

### Part D

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

29. Explain the theories of colour vision.

30. Elucidate on the anatomy of the auditory system with its pathways.
31. Write a detailed report about the major endocrine glands and its functions.
32. Write a note about the major endocrine glands and their functional importance.

64

(2 × 10 = 20 marks)