

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(Regular/Improvement/Supplementary)
PSYCHOLOGY
GPSY3C05T: HUMAN PHYSIOLOGY

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries *two* marks.
(Ceiling 20 marks)

1. What are Pacinian corpuscles?
2. Define hypermetropia and suggest a suitable lens for its correction.
3. Compare the tympanum and the oval window.
4. What are the different types of thermal receptors?
5. Write a brief note on the fovea.
6. Correlate biological rhythm with the endocrine system.
7. What do you mean by pain receptors?
8. Give examples of steroid hormones.
9. List out the functions of statoreceptors.
10. What is daltonism?
11. What are the hormones secreted by the adrenal cortex?
12. Define position sensory receptors.

SECTION B: Answer the following questions. Each carries *five* marks.
(Ceiling 30 marks)

13. Discuss the importance of the hormones secreted by the anterior pituitary.
14. Explain the mechanism of stimulation of the thermal receptors.
15. Describe the role of the placenta as an endocrine organ.
16. Briefly discuss the steps in the chemical reactions during the process of vision.
17. Describe the sensory pathways for transmitting somatic signals into the central nervous system in brief.
18. Give an account on the organization of the olfactory membrane.
19. Describe the organization of the retina in brief.

SECTION C: Answer any *one* question. The question carries *ten* marks.

20. With an aid of a diagram, describe the anatomy of the auditory system of humans.
21. Discuss the process of taste reception with the aid of appropriate diagrams. Add a note on taste threshold.

(1 × 10 = 10 Marks)