

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(Second Semester)

Branch – PSYCHOLOGY

PHYSIOLOGICAL PSYCHOLOGY - II

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. Young-Helmholtz theory of vision is also called the _____.
(i) Opponent Process Theory (ii) Trichromatic Theory
(iii) Retinex Theory (iv) Colour Deficiency Theory
2. _____ detects the sudden displacements or high-frequency vibrations on the skin.
(i) Pacinian Corpuscles (ii) Meissner's corpuscles
(iii) Ruffini endings (iv) Hair-follicle receptors
3. _____ enable the observer to understand and identify the movements another individual is making.
(i) Sensory neurons (ii) Interneurons
(iii) Mirror neurons (iv) Motor Neurons
4. _____ refers to temperature regulation and other biological processes that keep certain body variables within a fixed range.
(i) Allostasis (ii) Homeostasis
(iii) Set point (iv) Negative Feedback
5. _____ can occur in some people who have endured terrifying experiences such as a life-threatening attack or watching someone else get killed.
(i) PTSD (ii) GAD
(iii) BPAD (iv) OCD

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

6. a. Explain the functions of Rods & Cones in the visual system.
OR
b. Give a brief note on Opponent Process Theory.
7. a. Enumerate the different ways to relieve pain.
OR
b. Explain in brief about Synesthesia.
8. a. Write a note on the role of the Cerebral cortex in the control of movements.
OR
b. Compare and discuss the Voluntary & Involuntary movements.
9. a. List out the functions of sleep.
OR
b. Give a brief note on temperature regulation.
10. a. Describe the Organizing effects of sex hormones.
OR
b. Discuss the types of memory.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11. a. Sketch and Elucidate the structure of the ear.
OR
b. Explain in detail The Trichromatic Theory & The Retinex Theory of Visual Processes.
12. a. Elucidate the Mechanisms of Taste receptors.
OR
b. Write in detail about pain stimuli and pain paths.
13. a. Explain the brain mechanisms involved in the process of Movement.
OR
b. Elucidate the different movement disorders.
14. a. Explain about the mechanisms of biological clock.
OR
b. Write a detailed note on Hunger & Thirst regulation.
15. a. Explain the role of the Hippocampus & Basal Ganglia in the Memory Formation.
OR
b. Bring out the relationship between Stress and Health.

Z-Z-Z

END