

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2022
(Third Semester)

Branch – PSYCHOLOGY

PHYSIOLOGICAL PSYCHOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

1. The change in a gene during reproduction is called _____.
a) mutation b) consumption c) genotype d) inheritance
2. Any protein that catalyzes biological reaction
a) homozygous b) crossing over c) enzyme d) retro virus
3. Tract of axons connecting the hippocampus with hypothalamus and other areas
a) tatum b) fornix c) venticle d) raphe
4. A set of cells perpendicular to the surface of the cortex
a) Coloumn b) Height c) Band d) Tract
5. The neurotransmitter at a neuromuscular junction is the neurotransmitter in a class by itself
a) Acetylcholine b) Aminoacid c) serotinin d) neuron
6. _____ is the only neurotransmitter belonging to the latter category.
a) GABA b) catecholamine c) acetylcholamine d) serotonin
7. Oxytocin hormone is released by _____.
a) posterior pituitary b) anterior pituitary c) mid pituitary d) hypothalamus.
8. Hormone that promotes the growth of follicles in ovary
a) FLH b) FBH c) FEH d) FSH
9. Who introduced the term neural plasticity?
a) William James b) Jerzy Konorski c) Victoroff d) Squire
10. _____ pioneered the investigation of classical conditioning.
a) Loops b) Schull c) skinner d) Pavlov

SECTION - B (35 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 7 = 35)

11. a) How does a biopsychologist think about the biology of behavior explain with an illustration.

(OR)

- b) Describe single gene metabolic disorder.

Cont...

12. a) Sketch the different types of receptors neurons

(OR)

b) Explain the Autonomic nervous system.

13. a) Outline the type's neurotransmitters functions.

(OR)

b) Describe the structures and functions of neurons.

14. a) Describe the role of Ayurveda in connection with study of hormones.

(OR)

b) Compare the differences between anterior and posterior pituitary with a suitable illustration.

15. a) Describe the neural plasticity.

(OR)

b) Sketch upon Hebb's theory.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

16. Highlight upon the Evolutionary perspective of behavior.

17. Sketch upon the division and functions of human brain.

18. Explain the Synaptic transmission process.

19. Analyze how hormones influence the human behavior.

20. Sketch upon the various method of assessing nuerophysiology?

Z-Z-Z

END