

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86

**DEPARTMENT OF PSYCHOLOGY
BIOLOGICAL PSYCHOLOGY I
END SEMESTER EXAMINATION – NOVEMBER 2021**

19PY/MC/BP14

Max Marks: 100

Time: 3 hrs

SECTION – A

I. ANSWER ALL QUESTIONS.

(5 x 6=30marks)

1. State the four biological explanations.
2. List the importance of CSF.
3. When is a neuron polarized?
4. What is the relevance of spatial and temporal summation?
5. Explain the relationship between brain size and intelligence.

SECTION – B

II. ANSWER ANY FIVE QUESTIONS.

(5 x 10=40marks)

6. Write a short note on any 5-career opportunities in relation to understanding the brain and behaviour.
7. Differentiate between the central nervous system and the peripheral nervous system.
8. Elaborate the functions of the different lobes in the cerebral cortex.
9. Diagrammatically explain the structure and functions of a neuron
10. Explain any 3 types of technology to record brain activity.
11. Illustrate and explain the sequence of chemical events at a synapse.
12. Explain the two ethical views in using animals in research.

SECTION – C

III. ANSWER ANY ONE QUESTION.

(1x20=20marks)

13. Elaborate on the functions of the forebrain, midbrain and hindbrain.
14. Give a detailed account on the relationship between EPSP, IPSP and action potential.
