

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted during the academic year 2023 – 2024 )**

**B. Sc. DEGREE EXAMINATION, NOVEMBER 2023**  
**PSYCHOLOGY**  
**FIRST SEMESTER**

**COURSE : MAJOR – CORE**  
**PAPER : BIOLOGICAL PSYCHOLOGY – I**  
**SUBJECT CODE : 23PY/MC/BP14**  
**TIME : 3 HOURS** **MAX.MARKS:100**

<b>Q. No.</b>	<b>SECTION A (10 x 3=30)</b> <b>Answer all the questions not exceeding 50 words</b>	<b>CO</b>	<b>KL</b>
1.	Define biopsychology.	CO1	K1
2.	What is a gene?	CO1	K1
3.	What is meant by sympathetic nervous system?	CO1	K1
4.	Recall the functions of reticular formation.	CO1	K1
5.	Differentiate MRI and PET.	CO1	K1
6.	List two functions of the temporal lobe.	CO2	K2
7.	What is blood brain barrier?	CO2	K2
8.	Define action potential	CO2	K2
9.	Name two excitatory neurotransmitters.	CO2	K2
10.	What is EPSP?	CO2	K2
<b>Q. No.</b>	<b>SECTION B (5 x 8=40)</b> <b>Answer all the questions not exceeding 400 words</b>	<b>CO</b>	<b>KL</b>
11.	a) Explain the career opportunities in biopsychology. (or) b) Describe the ethical issues involved in animal research.	CO4	K4
12.	a) Appraise the structure of ventricles. (or) b) Elaborate on the autonomic nervous system.	CO4	K4
13.	a) Explain the effects of brain stimulation. (or) b) Discuss the location and functions of the parietal lobe.	CO4	K4
14.	a) Write a detailed note on glial cells. (or) b) Discuss the functions of myelin sheath.	CO5	K5
15.	a) Sketch a human multipolar neuron and mark the important parts. (or) b) Explain the chemical events at a synapse	CO5	K5
<b>Q. No.</b>	<b>SECTION C (2 x 15=30)</b> <b>Answer any 2 questions not exceeding 800 words</b>	<b>CO</b>	<b>KL</b>
16.	Discuss the relationship between genetics and behavior with the help of relevant research findings.	CO3	K3
17.	Explain the structure and functions of the spinal cord with appropriate illustrations.	CO3	K3
18.	Describe the propagation of the action potential	CO3	K3
19.	Write a detailed note on neurotransmitters.	CO3	K3

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