



# PRESIDENCY UNIVERSITY

BENGALURU

Roll No.														
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## Mid - Term Examinations – October 2025

Date: 29-10-2025

Time: 11.00am to 12.30pm

School: SOLAS-PG	Program: 1 MSc Psy	
Course Code: MSP4103	Course Name: Psychobiology	
Semester: I	Max Marks:50	Weightage:25%

CO - Levels	C01	C02	C03	C04	C05
Marks	26	24			

### Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

### Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	What is the function of a neuron?	2 Marks	L1	C01
2	Name two types of neurotransmitters and their roles.	2 Marks	L1	C01
3	Describe the structure of the spinal cord.	2 Marks	L1	C02
4	Define neuroplasticity in one sentence.	2 Marks	L1	C02
5	State the difference between PNS and CNS.	2 Marks	L1	C01

### Part B

Answer the Questions.

Total Marks 40M

6.	Describe the anatomical and functional divisions of the human brain.	10 Marks	L2	C01
Or				
7.	Explain the hierarchical model of cortical function with examples.	10 Marks	L2	C01

<b>8.</b>	Discuss the structure and function of each lobe of the cerebral cortex.	<b>10 Marks</b>	<b>L3</b>	<b>C01</b>
<b>Or</b>				
<b>9.</b>	Explain lateralization (cerebral asymmetry) and its importance with respect to language, memory, or emotion.	<b>10 Marks</b>	<b>L3</b>	<b>C01</b>

<b>10.</b>	Analyze the role of specific brain centers in learning and memory, citing relevant research.	<b>10 Marks</b>	<b>L2</b>	<b>C02</b>
<b>Or</b>				
<b>11.</b>	Write an essay on the frontal and temporal lobes, highlighting their roles in behavior and cognition.	<b>10 Marks</b>	<b>L2</b>	<b>C02</b>

<b>12.</b>	Discuss the relationship between brain structure and higher cognitive functions, giving contemporary perspectives.	<b>10 Marks</b>	<b>L3</b>	<b>C02</b>
<b>Or</b>				
<b>13.</b>	Critically evaluate models of cortical organization and their implications for understanding mental disorders.	<b>10 Marks</b>	<b>L3</b>	<b>C02</b>