

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

M.Sc.,DEGREE EXAMINATION, APRIL 2024

PSYCHOLOGY

SECOND SEMESTER

COURSE : CORE
PAPER : NEUROPSYCHOLOGY
SUBJECT CODE : 23PY/PC/NP24
TIME : 3 HOURS

MAX. MARKS: 100

Q. No.	SECTION A (4 x 5 = 20) Answer all the questions not exceeding 300 words	CO	KL
1.	a) Describe the primary functions of the occipital lobe (or) b) Describe the primary functions of the parietal lobe	CO1	K1
2.	a) List the faults in reporting neuropsychological assessments. (or) b) Explain fixed versus flexible testing approaches in neuropsychological assessment.	CO1	K1
3.	a) Explain Huntington’s Disease. (or) b) Discuss the concept of lateralization in relation to intelligence.	CO1	K2
4.	a) Recount the significance of Broca's research within the field of neuropsychology. (or) b) What is spatial neglect and which lobe is implicated in its occurrence?	CO1	K2
Q. No.	SECTION B (4 x 10 = 40) Answer all the questions not exceeding 700 words	CO	KL
5.	a) How would you apply the principles of a neurological examination to distinguish between a neurological disorder and a psychological condition? (or) b) How do modern theories conceptualize the role of the frontal lobe?	CO2	K3
6.	a) In what scenario would the Halstead-Reitan Battery be more appropriate than the Wechsler Adult Intelligence Scales (WAIS) in neuropsychological assessment, and why? (or) b) Describe ataxia and hemiplegia.	CO2	K3
7.	a) Evaluate localization theory and its implications for clinical practice. (or) b) Evaluate the connectionist approach to neuropsychology.	CO3	K4

8.	a) Compare and contrast Auditory, Somatosensory, and Unilateral spatial neglect. (or) b) How does one avoid errors and biases when conducting psychological assessments?	CO3	K4
Q. No.	SECTION C (2 x 20 = 40) Answer any 2 questions not exceeding 1200 words	CO	KL
9.	a) Evaluate the different magnetic imaging procedures. b) Develop comprehensive interventions for addressing Dyslexia and Dyscalculia	CO4 CO5	K5 K6
10.	a) Evaluate the neuropsychological processes associated with the temporal lobe. b) Evaluate contributions of cognitive neuroscience perspective in the development of neuroimaging techniques	CO4 CO5	K5 K6
11.	a) Evaluate the effectiveness of neurosurgery in improving the cognitive and psychological symptoms of individuals with Parkinson's disease b) Discuss Alzheimer's Disease and other dementia. And develop strategies for effective rehabilitation of the same	CO4 CO5	K5 K6
12.	a) Create a comprehensive intervention plan for apraxia. b) Integrate various modes of therapies for the effective rehabilitation of aphasics.	CO4 CO5	K5 K6
