

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2023
(Second Semester)

Branch – CLINICAL PSYCHOLOGY

MAJOR ELECTIVE COURSE – I: CLINICAL NEUROPSYCHOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Sleep wake cycle is related to which part of the brain?
(i) PONS (ii) Reticular Activating System
(iii) Thalamus (iv) Corpus Callosum
- 2 A 40-year-old man met with a road traffic accident. A few days later he was having difficulty in planning the tasks and his speech was effortful. So he has sustained an injury in-
(i) Dorsolateral prefrontal cortex (ii) Angular Gyrus
(iii) Anterior Cingulate cortex (iv) Wernickes Area
- 3 Damage to which area of the parietal lobe can result in difficulty with spatial awareness and navigation?
(i) Supramarginal gyrus (ii) Angular Gyrus
(iii) Superior parietal lobule (iv) Inferior parietal lobule
- 4 Damage to the primary visual cortex in the occipital lobe can result in which of the following conditions?
(i) Prosopagnosia (ii) Presbyopia
(iii) Balints syndrome (iv) Nystagmus
- 5 The Bender Gestalt Test assesses _____.
(i) Cognitive Reasoning (ii) Visual perceptual skills
(iii) Set Shifting (iv) Visual Memory

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Narrate the Brief History of Neuropsychology.
OR
b Survey the functions of Cerebellum.
- 7 a Illustrate the functional organization of the Temporal lobe.
OR
b Differentiate between complex partial and simple partial seizures.
- 8 a What is Gerstmanns syndrome?
OR
b Explain the condition of Unilateral spatial neglect and its assessments.
- 9 a Discuss the neurological basis of Autism.
OR
b State the Neuropsychological assessments for Agnosias.

Cont...

- 10 a Discuss the various neuropsychological tests used in the assessment of Memory.
OR
b Enumerate the various situations in which a Neuropsychological test can be used?

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 11 a Explain the various parts of the Mid brain with their functions.
OR
b Discuss the concepts of brain Lateralization and Brain Dominance.
- 12 a Differentiate Broca's Aphasia From Wernicke's Aphasia.
OR
b What are executive functions ? Discuss the various neuropsychological assessments in the evaluation of executive functions.
- 13 a Discuss the various functions of parietal lobe with its neuroanatomical correlates.
OR
b Enumerate the various Body schema Disorders.
- 14 a Discuss the various types of Learning disabilities and their corresponding Assessments.
OR
b With suitable diagrams explain the Visual Pathway.
- 15 a Compare and contrast the role of various Brain Imaging techniques and neuropsychological assessments in the understanding of brain function.
OR
b Elaborate on the various subtests of the Halstead Reitan battery.

Z-Z-Z

END