

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(Regular/Improvement/Supplementary)

PSYCHOLOGY
FPSY3E01- CLINICAL NEURO PSYCHOLOGY

Time: 3 Hours**Maximum Weightage: 30**

Part A: Answer any *four* questions. Each carries *two* weightage.

1. Discuss briefly Brain Hypothesis.
2. Elaborate on Electrical investigations.
3. Explain the behavioural effects of Disconnection.
4. Briefly explain Visuoperceptual disorder.
5. Ms. M met with an accident and had severe memory impairment. She is not able to create new memories after the accident but her long term memory is intact. Explain her condition as well as the symptoms related to it.
6. Give a short note on the Black Box approach in neuroscience.
7. Discuss Agnosia.

(4 × 2 = 8 weightage)

Part B: Answer any *four* questions. Each carries *three* weightage.

8. Discuss the role of hemispheric dysfunction and limbic system involvement in emotional disorders associated with neurological diseases.
9. Briefly explain the behavioral effects that may arise from a disconnection between the left and right hemispheres of the brain.
10. Describe the role of Neuro-chemical manipulations in studying brain functions.
11. Give an account on the behavioral effects of disconnection syndromes, emphasizing how disrupted communication between brain regions can lead to specific cognitive and motor impairments.
12. Explain how computer-based assessments and imaging techniques contribute to the neuropsychological examination process.
13. Discuss the challenges involved in assessing cognitive abilities.
14. Describe the nature of visual agnosia and its implications for a patient's ability to recognize objects, despite having intact vision.

(4 × 3 = 12 weightage)

(P.T.O.)

Part C: Answer any two questions. Each carries *five* weightage.

15. Evaluate the different methods used in neurobiological research in terms of their effectiveness in uncovering brain functions.
16. Examine how lesion effects can be reinterpreted as disconnection syndromes. Discuss how this reinterpretation has influenced the diagnosis and treatment of neuropsychological disorders.
17. Describe the objectives of neurological assessment and the different approaches used to evaluate neurological function in patients.
18. Examine the varieties of apraxia, including their Neuro-pathological basis, methods of examination, and approaches to treatment and recovery.

(2 × 5 = 10 weightage)