



NEUROLOGY
PAPER – I

NEURO/D/14/23/I

Time : 3 hours

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. Functional anatomy of cerebellum and the physiological organization of cerebellar circuitry. 5+5
2. Neuro-anatomical basis of language and classify aphasias. 5+5
3. Vascular supply of the spinal cord and vascular syndromes of the cord. 5+5
4. CSF dynamics in health and disease. 5+5
5. Auto-immune encephalitis. 10
6. Define "ischemic penumbra". Write short note on reperfusion strategies for acute ischemic stroke. 2+8
7. Cerebral disconnection syndromes. 10
8. Draw and describe the mechanism of neuromuscular transmission in health and disease. 5+5
9. Physiology of sleep and enumerate disorders associated with REM sleep. 5+5
10. a) Alpha - synuclein 3+4+3
b) β - amyloid
c) Tau protein
