

**NEUROLOGY****PAPER-I**Time: 3 hours  
Max. Marks:100

NEURO/J/19/23/I

**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:**

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| 1. Illustrate and explain the internuclear regulation of ocular movement.                  | 10 |
| 2. Gate control theory of pain.  | 10 |
| 3. Clinical manifestations of brain herniation.  | 10 |
| 4. Mechanisms of cerebral malaria.   | 10 |
| 5. Justify that dengue is a non-neurotropic virus in a patient with dengue encephalopathy. | 10 |
| 6. Lateral medullary syndrome.   | 10 |
| 7. Determinants of cerebral perfusion pressure.  | 10 |
| 8. Localization of cervical myelopathy above C5 segmental level.                           | 10 |
| 9. Present the clinical differentiating points between cauda equine and conus medullaris.  | 10 |
| 10. Basic requirements in a randomized controlled trial.                                   | 10 |

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