

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 |
