

**NEURO SURGERY**

**PAPER-II**

Time: 3 hours  
Max. Marks:100

NS2/D/19/21/II

**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. In a patient with ischaemic stroke involving the MCA territory, describe: 3+3+4
  - a) Symptomatology.
  - b) Clinical scoring.
  - c) Management options.
2.
  - a) Clinical grading scales in subarachnoid haemorrhage. 5+5
  - b) Management options for cerebral vasospasm.
3.
  - a) Ligaments of Craniovertebral junction. 5+5
  - b) C1-C2 Fusion techniques.
4. Evaluation and management of lumbosacral myelomeningocele in a newborn. 5+5
5.
  - a) Vertebroplasty. 3+3+4
  - b) Laminoplasty.
  - c) Odontoid fractures and their management.
6.
  - a) Aqueductal stenosis. 5+5
  - b) Describe the procedure of Endoscopic third ventriculostomy.
7.
  - a) Enumerate the common paediatric posterior fossa lesions. 5+5
  - b) Management and histopathology of any one of the above lesions.
8.
  - a) Describe the various Chiari malformation types. 5+5
  - b) Surgical management of symptomatic Chiari I with syrinx.
9.
  - a) Meralgia paresthetica. 5+5
  - b) Nerve biopsy – indications and usefulness.
10.
  - a) Briefly describe various ventricular shunting procedures. 6+4
  - b) Procedural precautions to avoid shunt infections.

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