

**NEURO SURGERY**

**PAPER-II**

NS2/D/18/21/II

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. Carotico-cavernous fistula: 2+4+4
  - a) Clinical features
  - b) Imaging modalities
  - c) Management options
2. Large head in a 1-year-old child: 3+2+2+3
  - a) Criteria of diagnosis.
  - b) Causes.
  - c) Imaging.
  - d) Treatment.
3. Cervical spondylotic disease: 3+3+2+2
  - a) Pathophysiology.
  - b) Clinical presentations.
  - c) Natural course.
  - d) Medical management.
4. Bladder dysfunction in CNS disorders: 3+4+3
  - a) Normal neurogenic control.
  - b) Types of neurogenic bladder.
  - c) Diagnostic evaluation.
5. Spinal instability: 2+2+4+2
  - a) Definition.
  - b) SLIC scoring.
  - c) AO classification.
  - d) Radiological diagnosis of cranio-cervical dissociation.
6. Distal anterior cerebral artery: 4+2+2+2
  - a) Anatomy.
  - b) Radiology of rupture of DACA aneurysm.
  - c) Clinical features.
  - d) Surgical options. P.T.O.

**NEURO SURGERY**

**PAPER-II**

- |   |         |
|---|---------|
| 7. Internuclear ophthalmoplegia:  | 3+3+2+2 |
| a) Anatomical basis.  |         |
| b) Localization value.  |         |
| c) Radiological evaluation.   |         |
| d) Prognosis.   |         |
| 8. Empty-Sella syndrome:  | 2+2+2+4 |
| a) Causes.  |         |
| b) Imaging features.  |         |
| c) Clinical features.   |         |
| d) Management.  |         |
| 9. Arnold- Chiari malformation:   | 2+2+4+2 |
| a) History.   |         |
| b) Types.   |         |
| c) Radiological features.   |         |
| d) Prognosis of asymptomatic Chiari type 1.   |         |
| 10. Carpal tunnel:  | 2+2+3+3 |
| a) Applied anatomy.   |         |
| b) Draw the surface anatomy.  |         |
| c) Clinical features of Carpal tunnel syndrome(CTS) and electrophysiological diagnosis. |         |
| d) Management of CTS.   |         |

\*\*\*\*\*