

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.

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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.
