

NEURO SURGERY

PAPER-I

NS2/D/18/21/I

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. Hangman Fracture: 3+3+4
 - a) Mechanism of injury.
 - b) Classification.
 - c) Treatment options.
2. SIADH: 3+3+4
 - a) Causes.
 - b) Diagnosis.
 - c) Treatment.
3. Intramedullary tumors of spinal cord: 2+4+4
 - a) Enumerate lesions.
 - b) Myelogram and MRI features.
 - c) Management algorithm
4. Draw diagrams and territory of supply of: 3+3+4
 - a) Greater superficial petrosal nerve.
 - b) Lesser petrosal nerve.
 - c) Deep petrosal nerve.
5. Ependymal tumors: 3+3+4
 - a) 2016 WHO classification.
 - b) Histological diagnosis.
 - c) Prognosis.
6. Draw neat labelled diagrams of: 3+3+4
 - a) Superficial veins of brain.
 - b) Deep venous system of brain.
 - c) Spinal cord venous drainage.

P.T.O.

NEURO SURGERY

PAPER-I

- | | |
|---|-------|
| 7. Cerebral autoregulation: | 3+3+4 |
| a) Cerebral blood flow. | |
| b) Monroe-Kelly hypothesis. | |
| c) Management of ICP. | |
| 8. Orbital tumors: | 3+3+4 |
| a) Classification. | |
| b) Imaging diagnosis of meningioma of optic nerve. | |
| c) Approaches to orbit. | |
| 9. Brain death: | 4+4+2 |
| a) Clinical criteria. | |
| b) Ancillary tests. | |
| c) Recent controversies. | |
| 10. Pituitary adenoma: | 3+3+4 |
| a) Immunohistochemistry. | |
| b) Diagnostic evaluation. | |
| c) Post-operative complications of transnasal pituitary adenoma excision. | |
