

**NEURO SURGERY**

**PAPER – II**

NS/D/17/21/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. Encephalocoeles: 2+2+2+4
  - a) Classification.
  - b) Clinical features.
  - c) Diagnosis.
  - d) Surgical management of various encephalocoeles.
2. Giant aneurysms: 2+1+3+4
  - a) Definitions and types.
  - b) Clinical presentation.
  - c) Diagnosis.
  - d) Management.
3. Extracranial-intracranial (EC-IC) bypass procedures: 3+4+3
  - a) Indications
  - b) Various types of vascular bypass procedures
  - c) Outcome and complications.
4. Surgical management of brain AVM 2+3+3+2
  - a) Indications
  - b) Surgical strategies
  - c) Adjuvant procedures to facilitate AVM resection
  - d) Complication avoidance
5. Lumbar degenerative diseases: 2+3+2+3
  - a) Various types
  - b) Clinical features and diagnosis
  - c) Medical management
  - d) Surgical Management

**P.T.O.**

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|-----|--|---------|
| 6.  | Vertebral haemangioma                          | 2+2+2+4 |
|     | a) Clinical presentation                       |         |
|     | b) Pathology                                   |         |
|     | c) Diagnosis                                   |         |
|     | d) Management                                  |         |
| 7.  | Brain cavernomas:                              | 3+2+5   |
|     | a) Pathology                                   |         |
|     | b) Diagnostic procedures                       |         |
|     | c) Management                                  |         |
| 8.  | Peripheral nerve tumours:                      | 2+2+3+3 |
|     | a) Classifications                             |         |
|     | b) Clinical presentation/Diagnosis             |         |
|     | c) Surgical management                         |         |
|     | d) Intra-operative monitoring                  |         |
| 9.  | Congenital craniovertebral junction anomalies: | 2+2+2+4 |
|     | a) Classification                              |         |
|     | b) Clinical presentation                       |         |
|     | c) Diagnostic procedures                       |         |
|     | d) Management                                  |         |
| 10. | Hangman's fracture:                            | 2+3+5   |
|     | a) Presentation                                |         |
|     | b) Diagnostic procedures                       |         |
|     | c) Management                                  |         |