

**NEURO SURGERY**

**PAPER – I**

NS/D/17/21/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. Cervical spine injury: 3+2+2+3
  - a) Emergency room management.
  - b) Diagnostic procedures.
  - c) Medical management.
  - d) Surgical procedures.
2. Dopamine agonists: 2+3+3+2
  - a) Types of dopamine agonists.
  - b) Indications.
  - c) Mechanism of action.
  - d) Side effects.
3. Pineal region tumours: 2+3+3+2
  - a) Classification.
  - b) Diagnostic modalities.
  - c) Surgical approaches.
  - d) Adjuvant treatment.
4. Skull base trauma: 2+3+2+3
  - a) Types
  - b) Clinical features
  - c) Radiological diagnosis
  - d) Management strategies.
5. What is questionnaire? What are various points to be taken into consideration while drafting a questionnaire? 10

**P.T.O.**

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|-----|--|---------|
| 6.  | Surgical anatomy of jugular foramen:                                     | 3+2+2+3 |
|     | a) Locations and relations   |         |
|     | b) Contents  |         |
|     | c) Enumerate various pathologies of jugular foramen                      |         |
|     | d) Clinical localization.  |         |
| 7.  | Status epilepticus:  | 2+3+3+2 |
|     | a) Diagnostic criteria   |         |
|     | b) General management  |         |
|     | c) Drug treatment  |         |
|     | d) Outcome   |         |
| 8.  | Brain edema:   | 2+3+2+3 |
|     | a) Classification  |         |
|     | b) Pathogenesis  |         |
|     | c) Diagnosis and techniques to measure I.C.P.<br>(intracranial pressure) |         |
|     | d) Management  |         |
| 9.  | Molecular tumour markers of gliomas:                                     | 5+5     |
|     | a) Various types of molecular markers                                    |         |
|     | b) Prognostic value  |         |
| 10. | Hyponatraemia:   | 3+4+3   |
|     | a) Diagnostic criteria   |         |
|     | b) Management  |         |
|     | c) Outcome and complications   |         |

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