

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

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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.
(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
