

NEURO SURGERY

PAPER – III

NS/D/17/21/III

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. Dorsal root entry zone lesioning in neuropathic pain: 3+4+3
 - a) Indications
 - b) Procedure
 - c) Outcome
2. Trigeminal neuralgia: 1+1+2+2+2+2
 - a) Pathogenesis
 - b) Diagnosis
 - c) Medical management
 - d) Percutaneous procedures
 - e) Surgical management
 - f) Gamma knife radiosurgery
3. Extended endonasal endoscopic approach for skull base lesions: 2+2+4+2
 - a) Indications
 - b) Instrumentation
 - c) Surgical procedure
 - d) Outcome and complications
4. Fungal infections of central nervous system: 2+2+3+3
 - a) Classification
 - b) Diagnostic procedures
 - c) Medical management
 - d) Surgical considerations
5. Recent advances in the management of CSF fistulas in endoscopic endonasal skull base surgery: 6+4
 - a) Surgical techniques
 - b) Synthetic materials

P.T.O.

NEURO SURGERY

PAPER – III

6. Pallidotomy: 3+4+3
a) Indications
b) Procedure
c) Outcome
7. Stereotactic radiosurgery in metastatic brain tumours: 3+4+2+1
a) Patient selection
b) Comparison with other adjuvant therapies
c) Radiation dose delivery
d) Outcome
8. Recent advances in intraoperative glioma resection maximization and its long term outcome. 10
9. Tuberculosis of spine: 2+3+2+3
a) Pathogenesis
b) Clinical presentation
c) Diagnosis
d) Management
10. Vagal nerve stimulation: 2+4+4
a) Indications
b) Surgical procedure
c) Outcome and current status
