

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

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| 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 | |
