



**NEURO SURGERY**

**PAPER – III**

NS - 2/D/14/21/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. Etiopathogenesis, pathology and treatment of brain abscess. 3+3+4
2. Compare and contrast: 5+5
  - a) Kyphoplasty Vs Vertebroplasty.
  - b) Coiling Vs clipping in cerebral aneurysms.
3. a) Selective amygdalo-hippocampectomy. 5+5
  - b) Subthalamic nucleus.
4. a) Functional MRI. 5+5
  - b) Awake craniotomy.
5. a) Programmable V-P shunt. 5+5
  - b) Vagus nerve stimulation.
6. Compare and contrast: 5+5
  - a) Radionecrosis Vs Tumor recurrence.
  - b) Endoscopic Vs microscopic discectomy.
7. Clinical features and treatment options in trigeminal neuralgia. 4+6
8. Utility of: 5+5
  - a) Intraoperative MRI.
  - b) Image guidance.
9. a) Technique of endoscopic third ventriculostomy. 5+5
  - b) Keyhole craniotomy through eyebrow.
10. Compare and contrast: 5+5
  - a) Spondyloysis Vs Spondylolisthesis
  - b) Neurotization Vs nerve transfer.