



**NEURO SURGERY**

**PAPER – II**

NS - 2/D/14/21/II

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. Clinical features, radiological diagnosis and surgical options of treatment of congenital atlanto-axial dislocation. 3+3+4
2. a) Prolactinomas. 5+5  
b) Rathke cleft cyst .
3. Clinico-imageological features and treatment options of: 5+5  
a) Benign Intracranial Hypertension (BIH).  
b) Normal Pressure Hydrocephalus (NPH).
4. Indications of: 6+4  
a) Gamma Knife radiosurgery  
b) Surgery in recurrent gliomas
5. Classification and treatment of brain stem gliomas. 4+6
6. Treatment of: 5+5  
a) Vestibular schwannoma of 2 cm size.  
b) Cerebral metastasis.
7. How is tone maintained in skeletal muscles? Discuss various medical and surgical treatment options for spasticity. 3+(2+5)
8. Clinical presentations, surgical treatment options and their complications in the treatment of prolapsed cervical intervertebral disc. 3+4+3
9. Pathology, treatment options and complications of insular gliomas. 3+4+3
10. a) Treatment of thalamic cavernoma. 5+5  
b) Spontaneous CSF Rhinorrhoea.

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