

**QP Code:104505**

**Reg. No.:.....**

**M.Ch. (Neuro Surgery) Degree Regular/Supplementary Examinations  
April 2025**

**Paper IV – Recent Advances**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Strategies to improve extent of resection in high grade gliomas.

**Short essays:**

**(8x10=80)**

2. Laser interstitial thermal therapy.
3. Current status of robotics in neurosurgery.
4. Mechanical thrombectomy.
5. Current trends in the management of Basilar invagination.
6. Role of hypothermia in current neurosurgical practice.
7. Contributions of M G Yasargil to modern neurosurgery.
8. Preoperative embolization of brain tumors.
9. Deep Brain stimulation for Parkinson's disease.

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