

QP Code:104505

Reg. No.:.....

**M.Ch. (Neuro Surgery) Degree Examinations July 2019**

**Paper IV – Recent Advances**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essay:**

**(20)**

1. Discuss angiogenesis and brain tumors, molecular targets, gene and viral based therapy for glioma

**Short essays:**

**(8x10=80)**

2. Restorative neurology.
3. Neuro endovascular interventions in cerebral aneurysms.
4. Cyber knife.
5. Magnetoencephalography.
6. Endoscopic spine surgery: principles, techniques and procedure.
7. Telemedicine in neurosurgery.
8. Class 1 evidence for epilepsy surgery.
9. Informed consent

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