

QP Code:104505

Reg. No.:.....

**M.Ch. (Neuro Surgery) Degree Regular/Supplementary  
Examinations August 2021**

**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. Explain the surgery for refractory epilepsy in detail

**Short essays:**

**(8x10=80)**

2. Spinal arterio-venous malformations – classification and management
3. Fetal neurosurgery
4. Role of DTI (Diffusion Tensor Imaging) in neurosurgery
5. PET in neurosurgery
6. Moya moya disease
7. Functional MRI
8. Brain stem gliomas
9. Role of neurophysiological monitoring during neurosurgery

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