

QP Code:104505

Reg. No.:.....

**M.Ch. (Neuro Surgery) Degree Regular/Supplementary
Examinations August 2022**

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. Write a note on intraoperative imaging and concept of Neuronavigation in neurosurgery.

Short essays:

(8x10=80)

2. Current status of stem cell therapy in Neurosurgery.
3. Micro dialysis.
4. Fetal neurosurgery in spinal dysraphism.
5. Indications and techniques for optic nerve decompression.
6. Awake craniotomy.
7. Recent advances in endovascular management of cerebral vascular pathologies.
8. Vertebroplasty and Kyphoplasty.
9. Diffusion and perfusion weighted MRI imaging and its clinical applications.
