

QP Code:104505

Reg.No.:.....

**M.Ch. (Neuro Surgery) Degree Supplementary Examinations
January 2018**

Paper IV – Recent Advances

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Discuss the diffusion tensor imaging of the brain and spinal cord.

Short essays:

(8x10=80)

2. Analyze recent data on outcomes following stereotactic radiosurgery for brain metastasis.
3. Recent data on outcomes and predictive factors for cure following surgery for growth hormone secreting pituitary adenomas.
4. Approach to a patient with subarachnoid hemorrhage and a negative 3D-computed tomography angiogram.
5. Postoperative supplementary motor area syndrome.
6. Current opinion regarding management of cranial base chordomas.
7. Current opinion regarding artificial discs in degenerative lumbar and cervical disc disease.
8. Management of brainstem cavernomas.
9. Management of a HIV+ patient with multiple ring enhancing cerebral lesions on a magnetic resonance image.
