

QP Code: 101505

Reg. No.:.....

**M.Ch. (Neuro Surgery) Degree Supplementary Examinations
January 2019**

Paper I – Basic Sciences

Time: 3 hrs

Max marks: 100

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

Essay: (20)

1. Describe the anatomy of the corticospinal tracts. Discuss the pathophysiology of spasticity.

Short essays: (8x10=80)

2. Draw a section of the cervical cord indicating the ascending and descending tracts.
3. Describe the pathology of glioblastoma multiforme.
4. Describe the pathophysiology of ankle clonus.
5. Describe the cellular events contributing to vasospasm.
6. Describe the anatomy of the insula.
7. Discuss the mechanism of action of phenytoin.
8. Describe the pathophysiology of intracranial pressure waves.
9. Describe the anatomy of a typical lumbar vertebra.
