

QP Code: 101505

Reg. No.:.....

M.Ch. (Neuro Surgery) Degree Supplementary Examinations March 2021

Paper I – Basic Sciences

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. Describe the surgical anatomy of optic pathway and lesion localization at various levels.

Short essays: (8x10=80)

2. Draw a neat & labelled diagram of floor of fourth ventricle and histology of medulloblastoma.
3. Describe pharmacotherapy of Cushing syndrome and prolactinoma.
4. Describe the neurophysiology of muscle tone and spasticity.
5. Describe persistent embryonic intracranial and extra cranial vessels.
6. Describe molecular genetics and tumor markers pertinent to neurosurgery
7. Describe surgical anatomy of medial longitudinal fasciculus.
8. Short notes on: Sir Wilder Penfield and M.G. Yasargil
9. Discuss pathophysiology of tethered cord syndrome.
