

(LR 035)

NOVEMBER 2020
(AUGUST 2020 SESSION)

Sub. Code: 1572

M.Ch. – NEURO SURGERY
THREE YEARS COURSE – Final – Paper - IV /
SIX YEARS COURSE – Part III – Paper - II
OPERATIVE NEURO SURGERY AND RECENT ADVANCES

Q.P. Code: 181572

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Enumerate the various surgical approaches to the pineal region. Discuss in detail with neatly labelled diagrams the factors that influence the choice of surgical approach for a lesion in the pineal region.
2. Discuss in detail the setting up of a neurosurgical operating room and the precautions to be taken by the neurosurgical team in the operating room in the current situation of Covid 19 pandemic.

II. Write notes on: (10 x 7 = 70)

1. Discuss briefly the management options for Von hippel lindau disease
2. Arterial spin labelling MR perfusion imaging
3. Write briefly about stereotactic radiosurgery for brain AVMs
4. Recent advances in deep brain stimulation for Parkinson's disease.
5. Intra-operative facial nerve monitoring
6. Management of pseudo meningocele following lumbar disc surgery
7. Recent advances in imaging for CSF rhinorrhoea
8. Dynamic spine stabilisation
9. Neuro-otological work up of a patient with vestibular schwannoma
10. Discuss the various sites of burrhole and the trajectory from each burrhole to cannulate lateral ventricle for placement of cranial end in ventriculo peritoneal shunt.
