

(LR 034)

NOVEMBER 2020
(AUGUST 2020 SESSION)
M.Ch. – NEURO SURGERY

Sub. Code: 1571

**THREE YEARS COURSE – Final – Paper - III /
SIX YEARS COURSE – Part III – Paper - I
NEURORADIOLOGY AND CLINICAL NEURO SURGERY**

Q.P. Code: 181571

Time: Three Hours

Maximum: 100 Marks

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

1. Enumerate various MRI sequences and techniques in evaluation of a cerebral tumour. Describe MRI features of a high grade glioma highlighting the significance of each of these sequences and techniques.
2. Describe briefly the MRI evaluation of csf flow dynamics. Discuss in detail the evaluation, clinical correlation and decision making parameters for lesions around foramen magnum evaluated with MRI csf flow dynamics.

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

1. Discuss briefly the USG, CT and MRI findings in vein of Galen malformation.
2. Clinical presentation and imaging features of slit ventricle syndrome
3. Clinical, imaging and electrophysiological evaluation of carpal tunnel syndrome.
4. Clinical features and imaging evaluation of pituitary apoplexy.
5. Mention the normal CT measurement of spinal canal at various levels and describe plain radiographic, CT features of lumbar spinal canal stenosis.
6. Clinical presentation and imaging diagnosis of cerebellar haemangioblastoma.
7. Radiological diagnosis and management of radiation necrosis of brain.
8. Clinical examination of L5 nerve root.
9. Classify craniosynostosis.
10. Significance of and methodology to perform apnoea testing for brainstem death certification.
