

(LN 033)

AUGUST 2018

Sub. Code: 1564

M.Ch. – NEURO SURGERY

THREE YEARS COURSE

**Paper I – NEUROANATOMY, NEUROPHYSIOLOGY
NEUROCHEMISTRY AND NEUROPATHOLOGY**

Q.P.Code: 181564

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the anatomy of the synapse and junctional transmission.
2. Describe the microsurgical anatomy of the cerebello-pontine angle. Write on posterior inferior cerebellar artery, anterior inferior cerebellar artery, superior cerebellar artery, their branches and distribution.

II. Write notes on:

(10 x 7 = 70)

1. Adrenergic transmission.
2. Gamma Amino Butyric Acid.
3. Brain ischemia.
4. Vitamin B₁₂.
5. Diabetes Insipidus.
6. Pathophysiology of arteriovenous malformation.
7. Chordoma.
8. Circumventricular organs.
9. Orthodromic and Antidromic conduction in neuron.
10. Motor unit and electromyography.
