

[LN 0818]

AUGUST 2018

Sub. Code: 2521

**B.Sc. NEURO ELECTRO PHYSIOLOGY**  
**THIRD YEAR**  
**PAPER I – NERVE CONDUCTION STUDIES AND ELECTROMYOGRAPHY**

*Q.P. Code : 802521*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Disorders of upper and lower motor neurons.
2. Trauma and the nervous system.
3. Nerve conduction in Cranial neuropathies.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Peripheral neuropathy.
2. Applications of electromyography.
3. Nerve conduction in Carpal tunnel syndrome.
4. Physiological and non physiological factors affecting nerve conduction.
5. Nerve conduction in facial palsy.
6. Nerve conduction of radial nerve.
7. Entrapment neuropathies.
8. Repetitive nerve stimulation in myasthenia/myasthenic syndrome.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Peroneal neuropathy clinical signs and symptoms.
2. Facial nerve conduction.
3. Denervation potentials in EMG.
4. Temporal dispersion.
5. Artifacts in Nerve conduction.
6. Different types of EMG needles.
7. Application of Inching techniques.
8. Difference between F waves and H reflex.
9. Neurogenic patterns in EMG.
10. Diagram of brachial plexus.

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