

**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. Nerve conduction study in Guillain Barre syndrome.
2. Electrodiagnostic approach to a patient with suspected muscle disease.
3. Draw a diagram of the brachial plexus and describe its electrophysiological evaluation.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Median nerve condition study.
2. NCS and EMG in myasthenia gravis.
3. Martin-Gruber anastomosis.
4. What is H reflex? Draw diagram of H reflex when stimulating tibial nerve?
5. Electrodiagnosis of C5 – C6 radiculopathy.
6. Phrenic nerve stimulation.
7. Repetitive nerve stimulation at slow and fast frequencies.
8. Peripheral neuropathy.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Blink reflex.
2. EMG needle electrodes.
3. Diagram for needle insertion for tibialis anterior.
4. Classification of neuropathy in diabetes mellitus.
5. Features of demyelinating neuropathy on nerve conduction study.
6. Temporal dispersion.
7. What are myotonic discharges?
8. Femoral nerve stimulation.
9. Artifacts in Nerve conduction.
10. Application of inching techniques.