

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2521

B.Sc. NEURO ELECTRO PHYSIOLOGY
THIRD YEAR – (Regulations 2012-2013 & 2018-2019 onwards)
PAPER I – NERVE CONDUCTION STUDIES AND
ELECTROMYOGRAPHY
Q.P. Code: 802521

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Nerve conduction study in Guillain Barre Syndrome.
2. Electrodiagnostic approach to a patient presenting with foot drop.
3. What is Electromyography? Describe the principles of Needle Electromyography.

II. Write notes on: **(8 x 5 = 40)**

1. Filters in electrodiagnostic tests.
2. What is H reflex? Draw diagram of H reflex when stimulating tibial nerve.
3. Principle of single fibre electromyography.
4. Martin-Gruber anastomosis.
5. Radial nerve conduction study.
6. Tilt table Testing.
7. Nerve conduction in facial palsy.
8. Repetitive nerve stimulation in Myasthenia / Myasthenic syndrome.

III. Short answers on: **(10 x 3 = 30)**

1. Blink Reflex.
2. EMG of Abductor pollicis brevis.
3. Laboratory tests for evaluation of orthostatic hypotension.
4. What is myotonic discharge?
5. Temporal dispersion.
6. Neurogenic patterns in EMG.
7. Sural nerve stimulation.
8. Stimulation of cervical roots in nerve conduction studies.
9. Sympathetic Skin response.
10. Diagram of Brachial plexus.
