

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

[AHS 0423]

APRIL 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. List the various tests used in Neurophysiological Assessment. Describe the Nerve conduction studies used in Brachial Plexopathy.
2. Enumerate the types of nerve conduction studies with example. List the physiological and non-physiological factors influencing NCS.
3. Define Carpal Tunnel Syndrome. Describe the electrophysiological evaluation and Standard Operating Procedures in patients with CTS.

II. Write notes on:

(8 x 5 = 40)

1. Sensory nerve sensitivity.
2. Pudendal Nerve Conduction study.
3. NCS in phrenic nerve.
4. AIDP.
5. CVS autonomic function tests.
6. Nerve conduction study of trunk.
7. Martin Gruber nerve.
8. Sciatic neuropathy.

III. Short answers on:

(10 x 3 = 30)

1. List the artifacts in NCS.
2. Diagram of sacral plexus.
3. Neuro-physiological tests in cervical plexus.
4. Sweat test.
5. Define fasciculations.
6. Late response.
7. Importance of inching techniques.
8. Jitter.
9. Fiber density.
10. Erb's paralysis.
