Sl.No. M21165 **Course Code: 3240303**

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION - August 2019
Third Year

APPLIED TECHNOLOGY IV : APPLIED NERVE CONDUCTIONS, ELECTROMYOGRAPHY AND EVOKED POTENTIALS

Time: Three hours Maximum: 75 marks

I. Write an Essay on any **ONE** of the following: (1 x 20 = 20)

1. Electro diagnostic approach to a patient presenting with foot drop.
2. Explain – Intraoperative monitoring, nerve conductions, EMG and EP.

II. Write short notes on any **TWO** of the following: (2 x 10 = 20)

3. Explain – Respective Nerve Stimulation and Turns Amplitude Radio.
4. What is Hreflex? Draw diagram of Hreflex when stimulating tribial nerve.
5. Inching Technique for evaluation of median nerve at wrist.
6. Electro diagnosis of wrist drop.

III. Write short answers on any **SEVEN** of the following: (7 x 5 = 35)

7. Positive sharp waves.
8. Blink reflex.
9. Radiculopathy.
10. Magnetic stimulation of brain.
11. What are the symptoms and signs of lunar neuropathy?
12. Single – fibre Electromyography.
13. Doppler – Principles.
14. Sensory nerve action potential.
15. Classification of neuropathy in diabetes mellitus.
16. Positive – sharp waves.

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