

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE
EXAMINATION – February 2020
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 Intraoperative monitoring and describe the electronystagmography.
2. Explain nerve conduction studies in F response and H-reflex.

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

3. Write a short note on ECT.
4. Classification of neuropathy in diabetes mellitus.
5. Doppler - Principles.
6. Electro diagnosis of foot drop.

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

7. Demyelinating neuropathies.
8. Magnetic stimulation of brain.
9. Write a note on respective nerve stimulation.
10. Single – fibre electromyography.
11. Write a note on turns amplitude ratio.
12. Electro diagnosis of wrist drop.
13. Write about motor nerve action potential.
14. What are the symptoms and signs of lunar neuropathy?
15. Positive – sharp waves.
16. Write about recording of EMG in movement disorders.
