

Sl.No. M21191

Course Code: 3240303

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION  
September 2021  
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. Explain in detail about intraoperative monitoring of nerve conductions, EMG and EP.
2. Explain in detail about principle of Doppler and describe about transcranial Doppler.

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

3. Explain about magnetic stimulation of brain.
4. Explain about ECT and preparation of ECT.
5. What is H-reflex? and draw a diagram when stimulating of nerve.
6. Inching technique for evaluation of median nerve at wrist.

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

7. Write about magnetic stimulation of brain.
8. Motor nerve action potential.
9. Write a short note on electronystagmography.
10. What are the signs and symptoms of demyelinating neuropathies?
11. Write about on single fiber EMG.
12. Write about on classification of neuropathy.
13. Write about on principle of nerve conduction.
14. Radiculopathy.
15. Electro diagnosis of foot drop.
16. Write about recording of EMG in movement disorder.

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