

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION
August 2018**

Second Year

**APPLIED TECHNOLOGY - II
BASICS OF 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 the method of carrying out media motor conduction study and discuss the normal values
2. Discuss the method of recording Visual Evoked Potential (VEP)

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

3. Describe compound muscle action potential (CMAP)
4. Explain the method of recording the reflex and discuss normal values
5. Describe the method of recording SSEP of the tibial nerve
6. Write about fibrillations and positive sharp waves.

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

7. Discuss the method of recording ulnar sensory nerve conduction study.
8. Write a short note on 'F- waves'
9. Write a note on motor unit potentials
10. Discuss the method of eliciting sympathetic skin response (SSR)
11. Write a note on myotonic discharges in EMG
12. Discuss the method of recording sural sensory
13. Write a note on end plate potentials
14. Write a short note on electro cardiogram
15. Write a note on the principles of averaging
16. Write a note on RR interval