

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION
September 2021
Second Year**

**APPLIED TECH – II BASICS OF NERVE CONDUCTIONS,
ELECTROMYOGRAPHY & 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 motor unit potential (MUP)
2. Discuss in detail about techniques of electromyography and normal values.

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

3. Describe the method of recording SSEP of tibial nerve.
4. Write about on principle and types of visual Evoked Potentials.
5. Write about “QRS Waves”.
6. Explain about on electro cardiogram.

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

7. Write about fibrillations and positive sharp waves.
8. Write a note on RR interval.
9. Write a short note on method of carrying out media motor conduction.
10. Discuss the compound muscle action potential.
11. Write about a principle of nerve conduction.
12. Write a short note on Electrodes of EMG.
13. Write a short note on visual Evoked Potentials.
14. Write about on EEG waves.
15. Discuss about the application of electrode and care of Electrodes.
16. Write a note on end plate potentials.