Sl.No.M22288 **Course Code: 3240203**

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

B.Sc. (NEURO SCIENCE TECHNOLOGY) DEGREE EXAMINATION
February 2020
Second Year

APPLIED TECHNOLOGY II: BASICS OF NERVE CONDUCTIONS ELECTROMYOGRAPHY AND EVOKED POTENTIAL

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 Principles electromyography and qualitative electromyography.
2. Describe the visual evoked potentials and explain principles of evoked potentials.

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

3. Explain the method of motor nerve conduction and normal values.
4. Describe the Somatosensory evoked potentials.
5. Write about the Electrocardiogram.
6. Write about the Principles of nerve conduction.

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

7. Write a short note on fibrillation.
8. Write a short note on Amplifiers and needle insertion
9. Describe about the fasciculation potentials.
10. Write a short note on Motor unit action potential.
11. Write a short note on "P waves".
12. Write a note on the myotonic discharges in EMG.
13. Write a short note on QT interval.
14. Discuss the method of recording sural sensory.
15. Write a short note on ST segment.
16. Describe the method of recording the reflex and normal values.

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