

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION  
February 2020  
Third Year**

**APPLIED TECHNOLOGY III – APPLIED  
ELECTROENCEPHALOGRAPHY (EEG)**

Time: Three hours

Maximum: 75 marks

I. Write an Essay on any **ONE** of the following: (1 x 20 = 20)

1. Explain detail about ECT and preparation of patient.
2. Explain detail about procedures in ECG.

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

3. Write about normal EEG variants and long term EEG monitoring.
4. Write detail about brain mapping and polysomnography.
5. Write in detail about video EEG.
6. Write about beta rhythm.

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

7. Write a note on electrocorticography.
8. Write about EEG changes according to level of consciousness.
9. Write a note on Mu Rhythm.
10. Write about eye movement artifacts and EKG artifacts in EEG.
11. Write a short note on quantitative EEG analysis.
12. Write a short note on change due to drug.
13. Write a note on triphasic waves in EEG.
14. Describe about the changes in various stage of sleep.
15. Write a note on hypsarrythmia.
16. Write a short note on sweat artifacts.