

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY)
DEGREE EXAMINATION - August 2019
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. Recording of EEG in a comatose patient and its significance and describe the normal EEG changes in normal sleep.
2. Describe clinical features of juvenile myoclonic epilepsy along with EEG findings and classify electrodes and describe advantages and disadvantages.

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

3. EEG in metabolic disease of brain.
4. Impedance Testing in EEG.
5. High Frequency Filter.
6. Hypsarhythmia.

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

7. Centro – temporal spikes.
8. Infantile Spasms
9. Benign childhood seizures.
10. EEG in Coma
11. Absence seizures
12. Frontal lobe epilepsy
13. EEG Artifacts
14. Intracranial Monitoring
15. Non convulsive status epilepticus
16. Explain polysomnography