

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION  
August 2019  
Second Year**

**APPLIED TECHNOLOGY I : BASICS OF CLINICAL NEURO  
PHYSIOLOGY**

Time: Three hours

Maximum: 75 marks

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

1. Explain EEG and recording techniques.
2. Explain the types of filters and time constant.

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

3. Clinical features of inborn errors of metabolism and parkinsonism disease.
4. Duchene Muscular dystrophy and neuro cysticercosis
5. Guillain Barre Syndrome and oculomotor palsy
6. Herpes simplex encephalitis

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

- 7.Explain – Migraine and types of brain tumor
- 8.Carpal tuner syndrome and myasthenia crisis
- 9.Normal pressure hydrocephalus
- 10.Multifocal motor neuropathy and ADEH
- 11.Symptoms and signs of vitamin A deficiency
- 12.Heptatic Encephalopathy
- 13.Rheumatoid arthritis
- 14.Multifocal motor neuropathy and vascular dementia
- 15.Wernicke – korsak off syndrome
- 16.Neuromyelti's optica