

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 2531

(AUGUST 2020 EXAM SESSION)

B.Sc. NEURO ELECTRO PHYSIOLOGY

SECOND YEAR (Regulation 2018-2019)

PAPER I – ELECTROENCEPHALOGRAPHY AND ELECTRONICS

Q.P. Code : 802531

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. The international 10-20 system of electrode placements of standard EEG with neat diagram.
2. Describe the various wave patterns seen in normal EEG, its frequency, location, and its normal and pathological causes.
3. Describe clinical features of Juvenile myoclonic epilepsy along with EEG findings.

II. Write Notes on:

(8 x 5 = 40)

1. EEG in absence seizures.
2. EEG reporting format.
3. Hypsarrhythmia.
4. Triphasic waves.
5. Lennox gastaut syndrome.
6. Non convulsive status epilepticus.
7. Ocular artefacts.
8. Syncope versus seizure.

III. Short Answers on:

(10 x 3 = 30)

1. Brain death.
2. Gelastic Seizures.
3. EEG in children with RETT syndrome.
4. Sleep spindles.
5. Low voltage EEG.
6. Depth electrodes.
7. BIPLEDS.
8. Alpha wave.
9. Pulse artifact.
10. Electrode artefact.
