

PAPER CODE: AHS17012

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B.Sc. (ALLIED HEALTH SCIENCES), SECOND YEAR DEGREE EXAMINATIONS: MAY, 2025

NEURO SCIENCE TECHNOLOGY

PAPER-III

BASIC EEG AND NERVE CONDUCTION TECHNIQUES

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark

Color pencil.

Write an essay on any TWO of the following questions:

2 X 10 = 20

1. EEG monitoring in ICU setting.
2. Sleep EEG recording.
3. Anatomical guide and normative data for nerve conduction studies.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Nerve conduction study in Carpal tunnel syndrome.
5. Components of electromyography instruments.
6. Infantile spasms.
7. F waves.
8. Somato sensory evoked potential.
9. Amplifiers in EEG.

Write briefly on the following:

10 X 3 = 30

10. Hyperventilation.
11. Brainstem Auditorium response (BAER).
12. Definition of periodic complex.
13. EEG in herpes simplex encephalitis.
14. Glossokinetic artifacts.
15. Filter setting in EEG.
16. Ground electrodes.
17. Transducers.
18. Vertex waves.
19. Pulse artefact.
