

PAPER CODE: AHS17011

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

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

NEURO SCIENCE TECHNOLOGY

PAPER-II

APPLIED ANATOMY & PHYSIOLOGY RELATED TO NEURO TECHNOLOGY

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. What are different lobes of Human brain? Explain their function.
2. Write about Cerebral spinal fluid formation and its functions.
3. Autonomous nervous system.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Reflex arc.
5. Muscle structure and function of skeletal muscle and smooth muscle.
6. Mechanism of Epileptogenesis.
7. Radial nerve.
8. Small muscles of hand.
9. Blood brain barrier.

Write briefly on the following:

10 X 3 = 30

10. Common peroneal nerve.
11. Name the parts of Thalamus.
12. Course of dorsal columns.
13. Ventricles of Brain.
14. Dermatomal distribution of lower limb.
15. Cross-section of spinal cord at C₅ level with diagram.
16. Cerebellum parts and functions.
17. Reflexes involving cranial nerves.
18. Pain pathway.
19. Action, potential generation and propagation.
