

QP CODE: 101027

Reg. No:

**First Year B.Sc Neurotechnology Degree Regular/Supplementary
Examinations November 2025
Paper I – Neuroanatomy I**

(2023 Scheme)

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Long Essay

(2x10=20)

1. Describe the lobes of brain and mark.
 - a) Important sulci and gyri b) Motor area c) Sensory area
 - d) Language areas e) Auditory cortex f) Visual cortex(4+6)
2. Enumerate various skull bones, their locations, foramina and contents. (4+6)

Short Essay

(5x8=40)

3. Various components and functions of basal ganglia.
4. Describe blood supply of the spinal cord.
5. Briefly describe the anatomy of a typical neuron.
6. Describe thalamus. Enumerate its various nuclei and functions.
7. What are the different types of glial cells. What are their functions.

Short Notes

(4x6=24)

8. Write a note on cerebral white matter.
9. Briefly describe anatomy of pyramidal tract.
10. What are the different types of glial cells. What are their functions.
11. Enumerate the cranial nerves originating in the brainstem.

Answer Briefly

(2x3=6)

12. Enumerate the arteries supplying the brain.
13. Enumerate the parts of the cerebellum.

Fill in the blanks

(10x1=10)

14. The second cervical vertebra is called _____
15. Preoptic nucleus is a part of _____
16. Fight or flight response is mediated by _____
17. Normal CSF pressure is _____
18. Trapezoid body is present in _____
19. Pain and temperature sensations are mediated by _____
20. The leptomeninges are _____
21. Intralaminar nucleus is a part of _____
22. _____ tract mediates joint position sense.
23. Reticulospinal is a _____ tract.
