

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

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION  
September 2021  
Second Year**

**APPLIED NEURO SCIENCE - I**

Time: Three hours

Maximum: 75 marks

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

1. Explain detail about cranial nerves.
2. Explain the anatomy of spinal cord and describe the blood supply.

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

3. Describe the physiology of neuromuscular function.
4. Describe motor pathway with diagram.
5. Write about cerebrospinal fluid and its circulation.
6. Write about dower limb muscle with diagram.

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

7. Describe the anatomy of median nerve.
8. Write a note on action potential.
9. Write a note on frontal lobe.
10. Write a note on sleep cycle.
11. Write a note on cerebellum.
12. Write a note on Somatosensory pathway.
13. Write a note on the cross sectional anatomy of the spinal cord.
14. Write a note on thalamus.
15. Describe the auditory pathway.
16. Write a note on synaptic transmission.