

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
B.Sc(NEURO SCIENCE AND TECHNOLOGY) DEGREE EXAMINATIONS

August 2019
SECOND YEAR

APPLIED NEURO SCIENCE - I

Three Hours

Maximum: 75 marks

SECTION - A

I. Choose the Best Answer :

(10 x 1 = 10)

1. The largest cranial nerve among the cranial nerves
a) vagus b) trigeminal c) optic d) olfactory
2. Cranial nerve responsible for smell
a) Vestibular N b) Trochlear N c) oculomotor N d) olfactory N
3. The total number of cranial nerves present
a) 12 b) 11 c) 10 d) 7
4. Which is the cranial nerve innervate muscle that raises the upper lid
a) trochlear b) oculomotor c) abducent d) facial
5. The covering of the neuron
a) skin b) myelin sheath c) myosin d) axon
6. Broca's area is located in
a) parietal lobe b) frontal lobe c) temporal lobe d) occipital lobe
7. Which of the following is largest horn of lateral ventricle
a) posterior horn b) inferior horn c) anterior horn d) central horn
8. Anterior spinal artery is a branch of
a) vertebral b) internal carotid c) basilar d) labyrinthine
9. Which of following region of cerebellum is concerned with planning and programming muscular activities
a) intermediate zone b) vermis c) lateral zone d) floccunodular zone
10. Which of the following structures is related to auditory pathway
a) lateral geniculate body b) trapezoid body c) medial lemniscus d) spinal lemniscus

II. Write Short Answers on any FIVE of the following:

(5 x 5 = 25)

11. Draw and label cross section of spinal cord
12. Enumerate the 12 cranial nerves
13. Muscle stretch reflex
14. Enumerate few neurotransmitters
15. Motor unit

(p.t.o)

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16. Humbar plexus
17. Ventricles (fourth ventricles)

III. Write Short Essays on any TWO of the following:

(2 x 10 = 20)

18. Explain Brachial plexus with appropriate diagrams
19. Neuromuscular junction
20. Muscles of the upper limb and lower limb
21. Autonomic nervous system

IV. Write Essays on any ONE of the following:

(1 x 20 = 20)

22. Explain the lobes, areas, function of cerebrum
23. Blood supply of brain and spinal cord with suitable examples

(S.No.M21804)

