Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Neuro Science Technology Degree Examination – 30-Jul-2021

Time: Three Hours **Max. Marks: 80 Marks**

Advanced Neuro Sciences Technology - I
Q.P. CODE: 2845

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. Describe the stimulation and recording parameters for evaluation of Brainstem auditory Evoked Potential and add a note on auditory pathway with suitable diagram. Discuss briefly the normal BAER.
2. Discuss in detail Neuropathies associated with AIDS.
3. Anatomy, course and function of trigeminal nerve, add a note on its clinical conditions.

SHORT ESSAYS (Answer any Six) **6 x 5 = 30 Marks**

4. Normal Tibial SSEP
5. Axonotemessi and wallerian degeneration
6. GBS
7. Polyneuropathy
8. Saphenous nerve
9. Lambert eaten myasthenic syndrome
10. Segmental demyelination
11. Sciatic nerve and its electrophysiological study

SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

12. Axonal reflex
13. Inching technique median
14. Tarsal tunnel syndrome
15 Superficial peroneal nerve
16. Temporal dispersion
17. Collision technique
18. Conduction block
19. Multi focal motor neuropathy
20. Sciatic nerve conduction study
21. CV and latency
22. Depolarization, repolarization and hyper polarization
23. Femoral neuropathy

*****

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Neuro Science Technology Degree Examination – 02-Aug-2021

Time: Three Hours **Max. Marks: 80 Marks**

Advanced Neuro Sciences Technology - II
Q.P. CODE: 2846

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. Classification of muscular dystrophies.
2. Discuss the normal Pediatric PSG.
3. Briefly enumerate the clinical features and management of Parkinsonism.

SHORT ESSAYS (Answer any Six) **6 x 5 = 30 Marks**

4. Deep brain stimulator.
5. MUP.
6. K-complex and sleep spindles.
7. Dementia.
8. Narcolepsy.
9. SFEMG.
10. POSTS.
11. BETS.

SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

12. Disorders of arousals.
13. Fibrillation and fasciculation.
14. Hypsarythmia.
15 Macro needle.
16. Jacksonian march.
17. PLEDS.
18. Spontaneous activity.
19. Vertex sharp waves.
20. Absent seizures.
21. Photoparoxysmal response.
22. MSLT.
23. Hypnapompic hallucination.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Neuro Science Technology Degree Examination – 04-Aug-2021

Time: Three Hours **Max. Marks: 80 Marks**

Systemic Diseases
Q.P. CODE: 2847

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. Multiple Sclerosis-pathophysiology, clinical features and management.
2. Myasthenia Gravis-pathophysiology, clinical features and management. Write a note on its complications.
3. Describe the pathophysiology, clinical features and management of Alzheimer's disease.

SHORT ESSAYS (Answer any Six) **6 x 5 = 30 Marks**

4. Thoracic Outlet Syndrome.
5. Hydrocephalus.
6. Bedside assessment of autonomic Nervous System.
7. Lumbar puncture.
8. Describe the characteristics of different stages of sleep.
9. Cavernous Sinus Thrombosis.
10. Rehabilitation in stroke.
11. Chorea.

SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

12. Types of aphasia.
13. Course of facial nerve.
14. Three organisms causing meningitis.
15 Three causes of secondary headache.
16. Name three brain tumors.
17. Three side effects of phenytoin.
18. Three causes of dementia.
19. Three causes of stroke in young.
20. Name three pain receptors present in skin.
21. Three causes of backache.
22. Three causes of peripheral neuropathy.
23. Name three types of abnormal movements.

*****