

# Rajiv Gandhi University of Health Sciences, Karnataka

## IV Year B.P.T. Degree Examination - 16-Dec-2022

**Time: Three Hours**

**Max. Marks: 100 Marks**

### **NEURO PHYSIOTHERAPY (RS5)**

**Q.P. CODE: 2749**

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

#### **LONG ESSAYS (Second Question Choice)**

**2 x 10 = 20 Marks**

1. Define and classify stroke. Enumerate the typical clinical features of Middle Cerebral Artery (MCA) territory stroke. Discuss hemiplegic shoulder pain and its physiotherapy management.
2. Define and classify cerebral palsy. Explain the physiotherapy management of a 8 year old child with spastic diplegia.

**OR**

Write in detail about the physiotherapy assessment and management for a 24 years old male with Guillian Barre syndrome.

#### **SHORT ESSAYS (Question No 3 & 12 choice)**

**10 x 5 = 50 Marks**

3. Describe typical ataxic gait and explain physiotherapy strategies to improve ataxic gait.

**OR**

Explain developmental screening and its clinical importance.

4. Enumerate the functions and explain clinical evaluation of Cranial nerve V.
5. Describe the clinical presentation of Bell's palsy. Add a note on Chronaxie and Rheobase.
6. Discuss the clinical methods to prepare a paraplegic patient for wheel chair ambulation.
7. Explain clinical features and physiotherapy management of lumbar canal stenosis.
8. Explain the approach of Constraint Induced Movement therapy in hemiplegic upper extremity rehabilitation.
9. Enumerate the clinical features of Down's syndrome and discuss the Physiotherapy management strategies.
10. Describe Symmetrical Tonic Neck Reflex (STNR) and explain the spatial, temporal and physical parameters observed in STNR.
11. Explain Frederick's ataxia, its clinical features and physiotherapy management.
12. Write a note on Transverse Myelitis and role of physiotherapy in its management.

**OR**

Define tone and explain the clinical methods to evaluate spasticity.

#### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Kernig's sign.
14. What is Somatognosia?
15. Define rigidity.
16. Define Dysphagia.
17. Enumerate four clinical features of Hydrocephalus.
18. Mention four clinical features of Autism.
19. What are the Cerebro Spinal Fluid findings in Pyogenic Meningitis?
20. What is Wallenberg syndrome?
21. What is Pusher's syndrome?
22. Define Apraxia.

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