

# Rajiv Gandhi University of Health Sciences, Karnataka

## IV Year B.P.T. Degree Examination - 20-May-2023

**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 Multiple sclerosis and discuss the classification of subtypes based on the clinical progression of the disease. Explain the management of spasticity in multiple sclerosis.
2. Discuss the typical clinical presentation of Duchenne Muscular Dystrophy (DMD) and explain Physiotherapy management of a 12-year-old child with DMD.

**OR**

Explain the principles of Brunnstrom's approach. Explain basic limb synergies and sequential stages of recovery as per Brunnstrom.

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

**10 x 5 = 50 Marks**

3. Classify spina bifida and describe the clinical presentation of various types.

**OR**

Explain Post-polio syndrome under clinical presentation and physiotherapy management.

4. Define and classify stroke. Explain the presentation of Lateral Medullary syndrome.
5. Describe Asymmetrical Tonic Neck Reflex (ATNR) and explain the spatial, temporal and physical parameters observed in ATNR.
6. Describe hemiplegic shoulder pain and its physiotherapy management.
7. Define hydrocephalus. Briefly explain the signs/symptoms and management.
8. List the typical clinical features of Parkinson's disease. Add a note on Festinating gait.
9. Write about Neurogenic bladder.
10. Discuss in brief any five facilitatory techniques of Roods approach.
11. Explain the clinical presentation of Meningitis and add a note on management.
12. Discuss the components and grading of American Spinal cord Injury Association Scale and its use in spinal cord injury (ASIA).

**OR**

Enumerate the Trigeminal nerve functions and discuss its evaluation.

#### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Charcot's triad in Multiple sclerosis
14. APGAR score
15. What is Wernicke's aphasia?
16. What is Agnosia?
17. Mention clinical features of Arnold Chiari Malformation.
18. Two signs of raised Intra Cranial pressure (ICP)
19. What is Claw hand?
20. Trigeminal neuralgia – clinical features.
21. Define Spasticity.
22. What is Bell's phenomenon?

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