

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

BPT THIRD YEAR DEGREE EXAMINATIONS: JANUARY 2026

PHYSIOTHERAPY IN NEUROLOGY CONDITIONS

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams wherever necessary

Write an essay on the following:

2 X 10 = 20

1. a). Discuss Down's syndrome under the following Headings- Pathophysiology, clinical Presentation and discuss the Physiotherapy management strategies.

OR

- b). Explain the principles of Brainstorm's approach to treatment. Explain basic Limb synergies and sequential stages of recovery as per Brainstorm.
2. a). Define and classify Stroke. Enumerate the typical clinical features of Middle Cerebral Artery (MCA) territory Stroke and discuss the physiotherapy management in the Acute Phase.

OR

- b). Discuss the typical clinical presentation of Guillain Barre Syndrome and explain in detail the physiotherapy management.

Write Short notes on the following:

8 X 5 = 40

3. Describe Typical Ataxic Gait. Explain physiotherapy management in Cerebellar Disorders.
4. Write a short note on development Screening and Early intervention of High-Risk Babies.
5. Enumerate the functions and explain clinical evaluation of Fifth Cranial Nerve.
6. Describe the pathophysiology and clinical presentation of Bell's palsy. Add a note on Chronaxie and Rheobase.
7. Enumerate and explain various Facilitatory techniques and their application.
8. Discuss the clinical methods to prepare a paraplegic patient for wheel chair ambulation.
9. Explain clinical features and management of Lumbar Canal Stenosis
10. Explain the approach of constraint Induced Movement Therapy in Hemiplegic upper Extremity rehabilitation.

Write Briefly on the following:

10 X 2 = 20

11. Brudzinski sign.
12. Dysdiadochokinesia.
13. Define Broca's Aphasia.
14. Define Dysphagia.
15. Enumerate four clinical features of Hydrocephalus.
16. List the components of Flexor Synergy in upper Extremity.
17. Mention four clinical features of Autism.
18. What are the CSF findings in Pyogenic Meningitis?
19. Brown Sequard Syndrome.
20. Babinski sign.
