JHARKHAND Rai University RANCHI

**End Semester/Reappear (Semester VIII) Examination May 2025**

**Programme:BPT**
**Course: Physiotherapy in Neurological Conditions -II** **Full Marks: 70**
**Course Code:23A802** **Time: 3 Hrs.**
**Enrolment no. _____**

| Q.No. | Questions | CO | Bloom Taxonomy | Marks |
|---|---|---|---|---|
| | **Section I** | | | |
| 1 | **Short Answer type questions.** | | | **4 x 5 = 20** |
| a | Explain how polyneuropathy affects motor and sensory function. | CO2 | Understand | |
| | or | | | |
| | Write a short note on radial nerve palsy. | CO2 | Understand | |
| b | Suggest appropriate positioning for a patient with hemiplegia to prevent contractures. | CO1 | Apply | |
| | or | | | |
| | Describe the postural abnormalities commonly seen in Parkinson's disease. | CO1 | Understand | |
| c | Explain three physiotherapy interventions suitable for the early rehabilitation phase in traumatic brain injury. | CO3 | Apply | |
| | or | | | |
| | Write a short note on coma stimulation technique. | CO3 | Understand | |
| d | Write a short note on the classification of Motor Neuron disease. | CO2 | Remember | |
| | or | | | |
| | Describe the clinical features of polio. | CO2 | Remember | |
| | **Section II** | | | |
| **Long Answer type questions.** | | | | **3 x 10 = 30** |
| 2 | Write in detais about the physiotheraphy management in different stages of Duchenne muscular dystrophy | CO2 | Understand | |
| | or | | | |
| | Assess a patient with myasthenia gravis and outline a treatment plan. | CO2 | Evaluate | |
| 3 | Analyze the role of physiotherapy in managing a patient with multiple sclerosis during relapse and remission phases | CO1 | Analyze | |
| | or | | | |
| | Explain the classification of cerebral palsy with their clinical features. | CO1 | Understand | |
| 4 | Apply your understanding of dermatomal distribution to identify the lesion level in a patient with spinal cord injury | CO2 | Analyze | |
| | or | | | |
| | Explain the clinical importance of dermatome and myotome testing in clinical setting. | CO2 | Understand | |
| | **Section III** | | | |
| **Application based questions.** | | | | **1 x 20 = 20** |
| 5 | Develop a goal-oriented therapy plan for a child with ataxic cerebral palsy, including specific interventions for improving coordination, balance, and posture. | CO1 | Create | |
| | or | | | |
| | Evaluate the effectiveness of different physiotherapy techniques (e.g., PNF, NDT, task-specific training) used in the rehabilitation of stroke patients. Support your answer with clinical reasoning and outcomes. | CO1 | Evaluate | |

**COURSE OUTCOME**

**At the end of course, candidate will able to**

CO1 Assess and treat different neurological conditions like Stroke, Parkinson's disease, Cerebral Palsy, Facial Palsy, etc.

CO2 Differentiate upper and lower motor neuron lesion, neuropathies, myopathies etc.

CO3 Do assessment and treatment of different neurosurgeries like craniotomy, brain tumor, cervical cord decompression, peripheral nerve injuries etct.