2012 Scheme

Fourth Year BPT Degree Supplementary Examinations June 2024

Physiotherapy in Clinical Neurology and Neurosurgery

Time: 3 Hours   **Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays: **(2x14=28)**

1. Enumerate the clinical features of complete transection of spinal cord at T10 level. Discuss the acute stage physiotherapy management of the same.
2. Describe the physiotherapy management of 60 year old left side hemi-paretic with significant unilateral neglect and partial weakness of upper extremity.

Short essays: **(4x8=32)**

3. Brunnstrom's Recovery Stages of stroke and principles of Brunnstrom's therapeutic approach
4. Discuss the features of Down's syndrome and physiotherapy management of the same disorder
5. Physiotherapy management of fatigue and ataxia in Multiple Sclerosis
6. Claw hand: Clinical presentations and physiotherapy management

Answer briefly: **(10x4=40)**

7. Physiotherapy strategies for managing grade two muscle power of lower limbs following acute inflammatory demyelinating polyneuropathy (AIDP)
8. Classification of spinal cord tumors with examples
9. Clinical features of Huntington's disease
10. Enumerate the clinical features of posture in Parkinson's disease and the physiotherapy management strategies for posture correction.
11. Enumerate the principles of Constraint induced movement therapy
12. Enumerate the clinical features and physiotherapy strategies for Saturday night palsy
13. Briefly answer the physiotherapy strategies used for acute management of coma following brain injury
14. Differentiate between upper motor neuron and lower motor neuron lesions
15. Modified Ashworth Scale
16. Define Chorea and mention any four neurological disorders with chorea as an important feature

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