

**Fourth Year BPT Degree Examinations August 2018**

**Physiotherapy in Clinical Neurology and Neurosurgery**  
**(2012 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essays:**

**(2x14=28)**

1. Classify different types of motor neuron diseases. Discuss in detail the physiotherapy assessment and management of amyotrophic lateral sclerosis.
2. Describe the physiotherapy assessment and management of a 50 years old patient with cerebrovascular accident. Add a note on blood supply to brain.

**Short essays:**

**(4x8=32)**

3. Describe the clinical features and management of crano vertebral junction anomalies.
4. Explain in detail about Brunnstrom approach.
5. Explain the physiotherapy assessment and management of spina bifida.
6. Discuss the clinical features and management of tabes dorsalis.

**Answer briefly:**

**(10x4=40)**

7. Management of flaccidity.
8. Body weight supported treadmill training.
9. Huntington's disease.
10. Theories of motor learning.
11. Physiotherapy management of Erb's palsy.
12. Autism spectrum disorders.
13. Brainstem level primitive reflexes.
14. Sensory integration.
15. Principles of Bobath approach.
16. Biofeedback.

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