

Fourth Year BPT Degree Supplementary Examination August 2019

**Physiotherapy in Clinical Neurology and Neurosurgery
(2010 Scheme)**

Time: 3 Hours

Total Marks: 100

- **Answer all questions**

Essays:

(2x14=28)

1. Discuss about the clinical features of Parkinson's disease (PD) and discuss the role of a physiotherapist in a PD patient who is in transition phase of 3rd to 4th stage of Hoehn and Yahr scale.
2. Explain in detail the clinical features and the role of physiotherapy in the management of amyotrophic lateral sclerosis.

Short essays:

(4x8=32)

3. Biofeedback in neuro-rehabilitation
4. Acute stage physiotherapy management of C5 spinal cord injury
5. Physiotherapy for Bell's palsy
6. Diabetic peripheral neuropathy and physiotherapy management

Answer briefly:

(10x4=40)

7. Classification of cerebral palsy based on topography of involvement
8. Mention any four types of muscular dystrophy
9. What are autism spectrum disorders
10. Any four indications of body weight supported treadmill training.
11. Mention any two principles of Rood's approach.
12. Any four clinical features of cerebellar ataxic gait.
13. List out any four strategies to improving circumduction gait
14. Enumerate any four causes of Erb's palsy
15. Define any two stages of Brunnstrom recovery stages of stroke
16. What is dissociated sensory loss and name the condition where this feature is seen
