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QP Code: 213376 **Reg. No: ……**

Second Year MPT Degree Examinations October 2018

Paper III – Neuro Physiotherapy

(2016 Scheme)

Time: 3 Hrs **Max. Marks: 100**

- **Answer all questions**

Essays **(2x20=40)**

1. Explain the principles of Proprioceptive Neuromuscular Facilitation (PNF). Describe in detail about the various techniques and their uses.
2. Describe the pathophysiology of spasticity. Explain in detail the various techniques used in neuro-physiotherapy to treat spasticity with evidence.

Short Notes **(10x6=60)**

3. Principles of neuroplasticity. Explain.
4. Hemiplegic gait and role of functional electrical stimulation in its management.
5. Home environmental modification for a spinal cord injured individual.
6. Principles of Bobath/neuro-developmental treatment approach.
7. Motor and sensory nerve conduction study.
8. Role of basal ganglia in movement.
9. Diplegic spastic cerebral palsy and its PT management.
10. ICU management of a traumatic brain injured patient.
11. Explain the role of mirror neurons and therapeutic benefits of mirror therapy.
12. Movement analysis of sit to stand and stand to walk activity

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