

Question Paper

Exam Date & Time: 28-Jul-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BPT DEGREE EXAMINATION - JULY 2023
SUBJECT: BPT 306- NEUROLOGICAL PHYSIOTHERAPY - II
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Discuss the physiotherapy management of a two-year old child with delayed milestones. Add a note on home advices given to mother of child for improving the head control. (20)
(15+5 = 20 marks)
- 2) Explain the principles of physiotherapy management for a 35-year-old male with T-10 level spinal cord injury. Add a note on secondary complications following spinal cord injury. (20)
(15+5 = 20 marks)
- 3) Describe the characteristics of muscle weakness in Guillain Barre Syndrome and management for the same in recovery phase. (10)
(4+6 = 10 marks)
- 4) Explain the assessment and management for a patient with lower motor neuron facial paralysis. (10)
- 5A) Outline the principles of energy conservation techniques. (5)
- 5B) Types of neurogenic bladder and role of physiotherapy in its management. (5)
- 5C) What is BPPV? Mention its indication. Explain Epley's manoeuvre. (5)
(1+1+3 = 5 marks)
- 5D) Ambulation training in Duchenne muscular dystrophy. (5)
- 5E) Foot care in diabetic peripheral neuropathy. (5)
- 5F) Physiotherapy management post lumbar laminectomy. (5)
- 6A) Mention ANY TWO facial features in Down's syndrome. (2)
- 6B) List ANY TWO causes for obstetric brachial plexus injury. (2)
- 6C) Mention ANY TWO features of central cord syndrome. (2)
- 6D) What is cadaveric hand? (2)
- 6E) Mention the types of spina bifida. (2)

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Answer all the questions.

- 1) Explain the principles of Maitland concept. Discuss in detail movement diagram and its application. (20)
- 2) Discuss the clinical features of L5-S1 disc prolapse. Mention the precautions and physiotherapy management of disc prolapse. (20)
- 3) Discuss the causes and clinical features of carpal tunnel syndrome. Mention the physiotherapy management for carpal tunnel syndrome. (10)
- 4) Name the core muscles. Discuss the role of spinal stabilization exercises in patients with low back pain. (10)
- 5A) Explain the role of exercises in osteoporosis. (5)
- 5B) What is Perthes' disease? Discuss the stages of Perthes' disease. (5)
- 5C) Discuss the physiotherapy management of club foot. (5)
- 5D) Explain selective tissue tension test. (5)
- 5E) What are the common causes for supinator syndrome? (5)
- 5F) Explain with a neat diagram the levels of lower limb amputation. (5)
- 6A) What is osteomalacia? (2)
- 6B) Name ANY TWO splints used in upper limb nerve injuries. (2)
- 6C) What is sacralisation? (2)
- 6D) What is crouch gait? (2)
- 6E) What is an ideal below knee stump? (2)

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