

# Question Paper

Exam Date & Time: 02-Jun-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2022  
SUBJECT: BPT 306 - NEUROLOGICAL PHYSIOTHERAPY - II  
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the physiotherapy assessment and treatment of a 2 year old child with spastic diplegia who has not attained independent sitting. (20)  
(8+12 = 20 marks)
- 2) Discuss the assessment and treatment of a T12 level complete spinal cord injury patient. (20)  
(6+14 = 20 marks)
- 3) Describe the physiotherapy management of a Guillain Barre Syndrome patient with predominant autonomic dysfunction. (10)
- 4) Discuss the physiotherapy management of a 15 year old child with Duchenne Muscular Dystrophy confined to wheelchair. (10)
- 5A) Describe the motor deficits in children with Down's syndrome and its physiotherapy management. (5)
- 5B) Discuss the management of a patient with Klumpke's paralysis. (5)
- 5C) Describe the features of Syringomyelia and the physiotherapy management for the same. (5)
- 5D) Physiotherapy treatment of a 28-year-old patient with amyotrophic lateral sclerosis in the initial stages. (5)
- 5E) Physiotherapy treatment for swallowing disorders due to lower cranial nerve palsy. (5)
- 5F) Physiotherapy management of a patient with myasthenia gravis. (5)
- 6A) What is Asymmetric Tonic Neck Reflex? (2)
- 6B) Mention any four features of Post-polio syndrome. (2)
- 6C) What is myotonic myopathy? (2)
- 6D) What is Epley's manoeuvre? (2)
- 6E) Mention any four types of neurogenic bladders. (2)

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# Question Paper

Exam Date & Time: 04-Jun-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2022  
SUBJECT: BPT 308 - ORTHOPEDIC PHYSIOTHERAPY - II  
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) What is intervertebral disc prolapse (IVDP)? Mention its classification. Describe in detail the clinical features and physiotherapy management of a patient with IVDP in the cervical spine. (20)  
(2+3+15 = 20 marks)
- 2) Define carpal tunnel syndrome (CTS). Discuss the etiological factors and clinical features. Explain in detail the physiotherapy evaluation and management of CTS. (20)  
(2+6+12 = 20 marks)
- 3) Classify scoliosis. Explain the clinical and physiotherapy management of Juvenile scoliosis. (10)  
(2+8 = 10 marks)
- 4) Discuss any ONE syndrome of Mackenzie' s Approach. (10)
- 5A) What is claw hand? Describe the physiotherapy management of claw Hand. (5)
- 5B) Mention the indications and levels of amputation in the lower limb. (5)
- 5C) Discuss the rationale for spinal stabilization exercises in low back pain. (5)
- 5D) Explain the design and indications for a Milwaukee brace. (5)
- 5E) Discuss classification of spinal fractures. (5)
- 5F) Explain physiotherapy management in osteoporosis. (5)
- 6A) Mention the types of club hand. (2)
- 6B) Explain the test to identify pronator teres syndrome. (2)
- 6C) What is autonomic dysreflexia? (2)
- 6D) What is lumbarisation? (2)
- 6E) Define crouch gait. (2)

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# Question Paper

Exam Date & Time: 06-Jun-2022 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2022  
SUBJECT: BPT 310 - ELECTRODIAGNOSIS  
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Discuss the general principles of nerve conduction studies. Add a note on median nerve Motor nerve conduction study. (7+3 = 10 marks) (10)
- 2) Explain any four abnormal Electromyography potentials at rest. (10)
- 3A) Blink response studies. (5)
- 3B) Filters in Electroneuromyography. (5)
- 3C) Electromyography biofeedback in neurorehabilitation. (5)
- 3D) Compare and contrast between SD curve test and Faradic Galvanic test. (5)
- 4A) Define Gain and sensitivity. (2)
- 4B) What is Chronaxie? (2)
- 4C) Define Motor Unit. (2)
- 4D) Name any four Needle electrodes in Electromyography. (2)
- 4E) What is Visual Evoked Potential study? (2)

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