

Question Paper

Exam Date & Time: 22-Nov-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BPT DEGREE EXAMINATION - NOVEMBER 2021
SUBJECT: BPT 308 - ORTHOPAEDIC PHYSIOTHERAPY - II
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1A) Name the muscles supplied by Ulnar nerve. Explain the clinical features of ulnar nerve injury at the level of wrist. Discuss the Physiotherapy assessment and management of claw hand. (20)
(3+5+12 = 20 marks)
- 1B) Explain the Clinical features of Intervertebral disc prolapse. Discuss the assessment and management of Intervertebral disc prolapse of L5-S1. (20)
(6+7+7 = 20 marks)
- 2A) Discuss the core elements of Maitland Manual therapy approach. (10)
- 2B) Mention the levels of amputation of lower limb. Discuss the post-operative management of above knee amputation. (10)
(2+8 = 10 marks)
- 3A) Explain the clinical test for Vertebro-Basilar insufficiency (VBI). (5)
- 3B) Explain spinal stabilization exercises. (5)
- 3C) Explain the role of physiotherapy in management of anterior wedge compression fracture of thoracic spine. (5)
- 3D) Discusses role of physiotherapy in treatment of Osteoporosis. (5)
- 3E) Write short note on types of Ankle foot Orthosis. (5)
- 3F) Explain Clinical features of Carpal tunnel syndrome. (5)
- 4A) Explain any one special test for Thoracic outlet syndrome. (2)
- 4B) What is Meralgia paresthetica? (2)
- 4C) Mention gait deviations seen in Cerebral palsy. (2)
- 4D) Mention conservative management of Club foot. (2)
- 4E) Write indications for cock-up splint. (2)

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Question Paper

Exam Date & Time: 23-Nov-2021 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BPT DEGREE EXAMINATION - NOVEMBER 2021
SUBJECT: BPT 310 - ELECTRODIAGNOSIS
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain in detail about H reflex. Compare and contrast H reflex and F wave. (10)
(6+4 = 10 marks)
- 2) Discuss the recruitment pattern during voluntary contraction in electromyography. Explain normal and abnormal motor unit potentials. (10)
(3+3+4 = 10 marks)
- 3A) Define EMG biofeedback and add a note on stages of signal processing in EMG biofeedback. (5)
(1+4 = 5 marks)
- 3B) Write a short note on Strength duration curve. (5)
- 3C) Procedure for median sensory nerve conduction study. (5)
- 3D) Types of electrodes used in electromyography. (5)
- 4A) What is resting membrane potential? (2)
- 4B) What is chronaxie? (2)
- 4C) Mention the filter settings for motor nerve conduction studies. (2)
- 4D) Mention the names of **ANY TWO** evoked potential studies. (2)
- 4E) Mention the specific electrodiagnostic test used to diagnose neuromuscular junction disorders. (2)

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Question Paper

Exam Date & Time: 25-Nov-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER BPT DEGREE EXAMINATION - NOVEMBER 2021
SUBJECT: BPT 306 - NEUROLOGICAL PHYSIOTHERAPY - II
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

Essays:

- 1A) Define Cerebral Palsy and Classify the same. Discuss about the clinical features and physiotherapy management of spastic diplegic cerebral palsy. (20)
(2+4+4+10 = 20 marks)
- 1B) Discuss in detail about the clinical features of Duchenne Muscular Dystrophy? Explain about the assessment and treatment of a 10-year-old male child with DMD. Add a note on orthosis for ambulation for DMD. (20)
(8+8+4 = 20 marks)

Short Essays:

- 2A) Discuss the clinical features of Guillain Barre Syndrome and explain about physiotherapy treatment for the same. (10)
(5+5 = 10 marks)
- 2B) Classify Motor Neuron Disorder and enumerate the salient feature of the same. Add a note on physiotherapy treatment for Amyotrophic Lateral Sclerosis. (10)
(2+4+4 = 10 marks)

3. Short Notes:

- 3A) Energy conservative technique for Myasthenia Gravis. (5)
- 3B) Physiotherapy management for Downs Syndrome. (5)
- 3C) Physiotherapy assessment in Erbs Palsy. (5)
- 3D) Acute care physiotherapy management for C4 cervical cord injury. (5)
- 3E) Physiotherapy management of L4 vertebral level myelomeningocele. (5)
- 3F) Bell's Palsy. (5)

4. Answers in Brief:

- 4A) Name any four primitive reflexes. (2)
- 4B) Define Postpolio syndrome. (2)
- 4C) Any two clinical features of Dermatomyositis. (2)
- 4D) Types of Neurogenic Bladder. (2)
- 4E) Dix-Hallpike test. (2)

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