

Question Paper

Exam Date & Time: 14-Dec-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BPT DEGREE EXAMINATION - NOVEMBER/DECEMBER 2021
SUBJECT: BPT 307 - NEUROLOGICAL PHYSIOTHERAPY - I
(2016 SCHEME)

Answer ALL questions.

Marks: 100

Duration: 180 mins.

- 1) Define Cerebrovascular accident (CVA). Mention clinical features of left middle cerebral artery (MCA) stroke syndrome. Explain in detail about physiotherapy management to improve motor function following left MCA stroke. (20)
(2+8+10 = 20 marks)
- 2) Explain the clinical features of parkinson's disease. Discuss in detail about physiotherapy management of cardinal features in patients with Parkinson disease. (20)
(6+14 = 20 marks)
- 3) Discuss about physiotherapy management of cerebellar ataxia. (10)
- 4) Discuss in detail about coma stimulation program (10)
- 5A) Physiotherapy management of fatigue in multiple sclerosis (5)
- 5B) Assessment of coordination in lower extremity (5)
- 5C) Modified ashworth scale (5)
- 5D) Principles of Proprioceptive Neuromuscular Facilitation (5)
- 5E) Treatment principles of Brunnstorm movement therapy (5)
- 5F) Hemiplegic gait (5)
- 6A) Mention **ANY TWO** inhibitory techniques described by Roods (2)
- 6B) What is Souque's finger Phenomenon (2)
- 6C) Mention **ANY TWO** assumptions of motor relearning program (2)
- 6D) Mention **ANY TWO** assistive devices used in hemiplegia (2)
- 6E) What is CIMT? Mention the indication for CIMT. (2)

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Question Paper

Exam Date & Time: 16-Dec-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BPT DEGREE EXAMINATION - NOVEMBER/DECEMBER 2021
SUBJECT: BPT 309 - ORTHOPEDIC PHYSIOTHERAPY - I
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Describe the causes of shoulder impingement syndrome and explain in detail about the physiotherapy management of shoulder impingement syndrome. (20)
(10+10 = 20 marks)
- 2) Classify proximal humerus fractures. Discuss in detail about the rehabilitation protocol after conservatively managed proximal humerus fractures. (20)
(5+15 = 20 marks)
- 3) Discuss the physiotherapy management for knee osteoarthritis. (10)
- 4) Describe the physiotherapy management following open reduction and internal fixation for neck of femur fracture. (10)
- 5A) Classify flexor tendon injuries of the hand (5)
- 5B) Explain the do's and don'ts following total hip replacement (5)
- 5C) Explain the phases of adhesive capsulitis along with clinical features (5)
- 5D) Write about the physiotherapy management after surgically managed Pott's fracture (5)
- 5E) Describe the physiotherapy management for ankylosing spondylitis (5)
- 5F) Describe the principles of management for recurrent anterior shoulder dislocations (5)
- 6A) What is Volkmann's ischemic contracture? (2)
- 6B) Write any two complications of Colle's fracture. (2)
- 6C) Write any two causes of anterior knee pain. (2)
- 6D) List the indications for osteotomies. (2)
- 6E) Write any two structures causing loss of passive knee extension range of motion. (2)

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