

# Question Paper

Exam Date & Time: 14-Dec-2019 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BPT DEGREE EXAMINATION - DECEMBER 2019

SUBJECT: BPT 307 - NEUROLOGICAL PHYSIOTHERAPY - I

(2016 SCHEME)

Saturday, December 14, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Define cerebrovascular accident (CVA). Mention clinical features of right Middle Cerebral Artery (MCA) stroke syndrome. Explain in detail about physiotherapy management of right MCA stroke syndrome in acute stage. (20)  
(2+8+10 = 20 marks)
- 2) Classify traumatic head injury. Explain in detail about the physiotherapy management of Rancho Los Amigos (RLA) level of cognitive functioning (LOCF) stage III head injury. (20)  
(6+14 = 20 marks)
- 3) Discuss about physiotherapy management in cerebellar ataxia. (10)
- 4) Discuss about physiotherapy management of gait in Parkinson's disease. (10)
- 5) **Write short essay on:**
  - 5A) Physiotherapy management of lateral medullary syndrome (5)
  - 5B) Energy conservation techniques (5)
  - 5C) Non equilibrium tests (5)
  - 5D) Glasgow coma scale (5)
  - 5E) Brunstorm voluntary control grading for stages of recovery (5)
  - 5F) Signs of meningeal irritation (5)
- 6) **Answer the following questions:**
  - 6A) Mention any **two** facilitatory techniques described by Roods. (2)
  - 6B) What is Raimiste's Phenomenon? (2)
  - 6C) Mention any **two** principles of Neurodevelopmental Therapy. (2)
  - 6D) Mention the steps involved in motor relearning program. (2)
  - 6E) What is Mirror therapy? (2)

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# Question Paper

Exam Date & Time: 19-Dec-2019 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BPT DEGREE EXAMINATION - DECEMBER 2019

SUBJECT: BPT 309 - ORTHOPEDIC PHYSIOTHERAPY - I

(2016 SCHEME)

Thursday, December 19, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1A) Define Fracture. (1)
- 1B) Discuss about phases of fracture healing. (5)
- 1C) Write a short note on fracture classification. (5)
- 1D) Write in detail physiotherapy management for:
- i) Complex regional pain syndrome (5)
- ii) Volkmann's ischemic contracture (4)
- 2) Discuss the following:
- 2A) Mechanism of ACL injury with clinical presentation. (2)
- 2B) Describe any two tests in detail to check the integrity of ACL. (8)
- 2C) Write detailed athletic rehabilitation post ACL reconstruction. (10)
- 3) Answer the following:
- 3A) Write Garden's classification for fracture neck of femur. (2)
- 3B) Discuss clinical presentation of fracture neck of femur patient. (1)
- 3C) Plan a rehabilitation protocol for a fracture neck of femur patient post hemi arthroplasty. (7)
- 4) Discuss about Ankylosing spondylitis under following heading:
- 4A) Clinical features (2)
- 4B) Diagnosis (special test, lab investigation, X-ray) (3)
- 4C) Rehabilitation protocol (5)

**Answer all the questions.**

- 5A) Describe clinical presentation and management of patient in the freezing phase of frozen shoulder. (5)
- 5B) Describe early active mobilization protocol for flexor tendon injuries of hand. (5)
- 5C) Discuss examination and management of lateral ankle sprain. (5)
- 5D) Plan rehabilitation protocol for 2-week-old total knee arthroplasty patient. (5)
- 5E) Write in detail the physiotherapy management of Tennis's elbow. (5)
- 5F) Discuss the management in the acute phase following crush injury of the hand. (5)

**6) Write in brief about the following:**

- 6A) Triple arthrodesis (2)
- 6B) Myositis ossificans (2)
- 6C) Metatarsalgia (2)
- 6D) Froment's Sign (2)
- 6E) Any four deformities seen in rheumatic hand (2)

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