

# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

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

Marks: 100

Duration: 180 mins.

A

Answer all the questions.

- 1) Define Stroke. Stratify the risk factors and outline the clinical features of Anterior Cerebral Artery syndrome. Write in detail the assessment and management of gait deviation in ACA syndrome. (20)
- 2) Explain the assessment and management of cardinal features following idiopathic Parkinson's disease. (20)  
(10+10 = 20 marks)
- 3) Write in detail about tests for incoordination. (10)
- 4) Explain the physiotherapy management for a patient with Meningitis. (10)
- 5A) Principles and techniques of coma stimulation. (5)
- 5B) Adverse effects of immobilization following Traumatic Brain Injury. (5)
- 5C) Associated reactions in Brunnstrom approach. (5)
- 5D) Body weight supported treadmill training in neurological rehabilitation. (5)
- 5E) Physiotherapy management in Multiple sclerosis. (5)
- 5F) Principles of Neuro Developmental Therapy. (5)
- 6A) Mention ANY TWO principles of Frenkel's exercises. (2)
- 6B) Mention ANY TWO methods to reduce the raised intracranial pressure. (2)
- 6C) What is Kernig's Sign? (2)
- 6D) Mention the stages of Motor Relearning Program. (2)
- 6E) Define Sensory Integration. (2)

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# Question Paper

Exam Date & Time: 03-Apr-2021 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

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

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) List the diagnostic criteria of rheumatoid arthritis (RA). Explain the physiotherapy assessment and management of RA. (20)  
(6+14 = 20 marks)
- 2) Classify dislocation of the shoulder. Discuss the assessment and rehabilitation following arthroscopic Bankart's repair. (20)
- 3) Explain the physiotherapy management and precautions following total Hip replacement. (10)
- 4) Define fracture. Explain the physiotherapy management of fracture neck of femur treated with open reduction internal fixation. (10)  
(2+8 = 10 marks)
- 5A) Explain the physiotherapy management following medial meniscus injury at the knee. (5)
- 5B) What is Volkmann's Ischemic contracture? Discuss ANY TWO physiotherapy treatment methods. (5)
- 5C) Discuss the physiotherapy management of osteomyelitis. (5)
- 5D) Explain the physiotherapy management of patellofemoral pain syndrome. (5)
- 5E) What is extensor lag of the knee? Describe management of extensor lag. (5)
- 5F) Explain the passive mobilization protocol for zone 2 flexor tendon injury. (5)
- 6A) List ANY TWO special tests to identify anterior cruciate ligament injury at the knee. (2)
- 6B) What is trigger finger? (2)
- 6C) What is Froment's sign? (2)
- 6D) Classify hip dislocation. (2)
- 6E) Classify ankle fractures. (2)

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