

# Question Paper

Exam Date & Time: 20-Feb-2025 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BPT DEGREE EXAMINATION - FEBRUARY 2025  
SUBJECT: PTH3101 - THEORETICAL CONCEPTS IN NEUROLOGICAL PHYSIOTHERAPY- I  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the clinical features of right Middle Cerebral Artery (MCA) stroke. Discuss the physiotherapy assessment and treatment of upper limb dysfunction following MCA territory stroke. (20)  
(8+6+6 = 20 marks)
- 2) Discuss the clinical features of a Parkinson Disease (PD) patient in Hoeh and Yahr scale of 4. (20)  
Explain the assessment and treatment of postural abnormalities and balance issues in PD.  
(10+10 = 20 marks)
- 3) Explain the clinical examination of facial nerve (VII Cranial nerve). (10)
- 4) Describe the physiotherapy management of lower limb incoordination due to cerebellar lesion. (10)
- 5A) Discuss Tonic neck reflex. (5)
- 5B) List out any five important general principles of Brunnstrom's Approach. (5)
- 5C) Classify Traumatic Brain Injuries. (5)
- 5D) Discuss Fatigue management in Multiple Sclerosis. (5)
- 5E) Discuss the Physiotherapy treatment principles following surgical removal of Brain Tumor. (5)
- 5F) Explain the Principles and Disadvantages of Constraint Induced Movement Therapy. (5)
- 6A) Mention ANY TWO visual field deficits. (2)
- 6B) Mention ANY TWO key differences between Epidural hematoma and Subdural hematoma. (2)
- 6C) List out ANY FOUR motor milestones achieved by a normal 6 month old child. (2)
- 6D) Mention ANY TWO advantages of Virtual reality. (2)
- 6E) What is Mirror Therapy? (2)

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# Question Paper

Exam Date & Time: 25-Feb-2025 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BPT DEGREE EXAMINATION - FEBRUARY 2025  
SUBJECT: PTH3102 - THEORETICAL CONCEPTS IN MUSCULOSKELETAL PHYSIOTHERAPY- I  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the role of physiotherapy in management of supra condylar fracture of humerus treated with open reduction and internal fixation. Mention the complications for the same. (20)  
(16+4 = 20 marks)
- 2) Explain clinical features, and diagnostic criteria for rheumatoid arthritis. Discuss assessment and management of patients with rheumatoid Hand. (20)  
(8+12 = 20 marks)
- 3) Explain the mechanism of injury and clinical features of shoulder dislocation. Add a note on management of recurrent dislocation of shoulder (10)  
(5+5 = 10 marks)
- 4) Name the muscles supplied by radial nerve. Mention the common tendon transfers for wrist drop and discuss post tendon transfer physiotherapy for wrist drop. (10)  
(3+2+5 = 10 marks)
- 5A) Explain role of resisted isometric test in musculoskeletal examination (5)
- 5B) Explain the techniques to manage the extensor lag of knee. (5)
- 5C) Explain the Do and Don'ts in total hip replacement (5)
- 5D) Explain the clinical features and stages of carpal tunnel syndrome (5)
- 5E) Explain physiotherapy in Hip dislocation (5)
- 5F) Classify fracture neck of femur, mention its complications (5)
- 6A) What is the resting position of knee when there is joint effusion? (2)
- 6B) Name any two sites where avascular necrosis of bone is common? (2)
- 6C) What is triple arthrodesis? (2)
- 6D) Mention clinical features of tarsal tunnel syndrome (2)
- 6E) What is Osteotomy? (2)

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