

Question Paper

Exam Date & Time: 05-Jan-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

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

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Enumerate the mechanisms of Head Injury. Also enumerate the primary and secondary injuries of brain following trauma. Write in detail the physiotherapy assessment and management of Traumatic Brain Injury. (20)
(3+3+8+6 = 20 marks)
- 2) Outline the functions of cerebellum, causes of cerebellar lesion and its clinical features. Write in detail the physiotherapy assessment and management of Cerebellar Disorders. (20)
(3+2+3+6+6 = 20 marks)
- 3) Gait training methods in neurological disorders (10)
- 4) Explain the stages of motor recovery following Stroke and principles of treatment for Brunnstrom approach (10)
- 5A) Complications following stroke (5)
- 5B) Constraint Induced Movement Therapy (5)
- 5C) Fatigue management in Multiple sclerosis (5)
- 5D) Assessment and management of rigidity in Parkinson's disease (5)
- 5E) Rehabilitation following brain tumour surgeries (5)
- 5F) Principles of sensory integration therapy (5)
- 6A) Orthostatic Hypotension (2)
- 6B) Define Spasticity. (2)
- 6C) Mention the signs of meningitis. (2)
- 6D) Key points of control (2)
- 6E) Mention **ANY TWO** tests for identifying unilateral neglect (2)

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Question Paper

Exam Date & Time: 07-Jan-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BACHELOR OF PHYSIOTHERAPY (BPT) DEGREE EXAMINATION - JANUARY 2021
SUBJECT: BPT 309 - ORTHOPEDIC PHYSIOTHERAPY - I
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) List the indications and contraindications of total knee replacement (TKR). Explain the pre and post - operative physiotherapy management of TKR. (20)
(6+14 = 20 marks)
- 2) A 30-year-old male patient undergoes open reduction and internal fixation for fracture shaft of humerus. Discuss the physiotherapy assessment and management of the case. Add a note on complications of shaft of humerus fracture. (20)
(15+5 = 20 marks)
- 3) List the precautions to be followed after posterior hip dislocation. Explain its physiotherapy management. (10)
(2+8 = 10 marks)
- 4) List the clinical features of Ankylosing spondylitis (AS). Explain the physiotherapy assessment in AS. (10)
(3+7 = 10 marks)
- 5A) Discuss the risk factors and clinical features of Knee osteoarthritis. (5)
- 5B) List the features of complex regional pain syndrome. Discuss ANY TWO physiotherapy treatment methods. (5)
(2+3 = 5 marks)
- 5C) Explain the acute phase rehabilitation following anterior cruciate ligament reconstruction. (5)
- 5D) Discuss the physiotherapy management of septic arthritis. (5)
- 5E) What is the capsular pattern of the glenohumeral joint. Discuss the physiotherapy management of a patient in the frozen phase of adhesive capsulitis of the shoulder. (5)
(2+3 = 5 marks)
- 5F) Discuss the clinical features and the physiotherapy management of Golfer's elbow. (5)
- 6A) What is piriformis syndrome? (2)
- 6B) List ANY TWO special tests to identify shoulder impingement syndrome. (2)
- 6C) What is zig zag deformity of the hand? (2)
- 6D) What is claw hand? (2)
- 6E) Classify ligament injuries of the ankle. (2)

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