

**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[BOT 0825]**

**AUGUST 2025**

**Sub. Code: 6203**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
THIRD YEAR - (Candidates admitted from the academic year 2022-2023 onwards)  
PAPER IV – O.T. IN ORTHOPAEDICS & NEUROLOGY**

*Q.P. Code: 786203*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the rehabilitation approach for a patient with Hansen's disease including deformity prevention, muscle re-education and sensory compensation.
2. Explain comprehensive OT management for a patient with lower limb amputation, covering both pre-prosthetic and prosthetic training phases.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain the differences between Colles and Smith's fracture and the OT interventions for each.
2. Discuss the occupational therapy management of low back pain using ergonomic and physical approaches.
3. Explain the rehabilitation principles for a patient with Parkinson's disease.
4. Discuss the rehabilitation plan for brachial plexus injury using task-oriented approach.
5. Explain sensory re-education techniques in Complex Regional Pain Syndrome.
6. Outline OT intervention for multiple phalangeal fractures.
7. Explain the OT intervention protocol for radial nerve injury.
8. How can voluntary control be facilitated through occupational therapy activities?

**III. Short answers on:**

**(10 x 2 = 20)**

1. What is the difference between AROM and PROM?
2. What does the task-oriented approach emphasize?
3. Mention one example each for proximal and distal control in PNF.
4. List two common causes of stiff hand.
5. Mention two common causes of De Quervain's tenosynovitis.
6. Name two OT goals in burn rehabilitation.
7. What are two common deformities in rheumatoid arthritis?
8. What is postural drainage used for?
9. Mention one indication each for AFO and KAFO.
10. Name two common types of muscular dystrophy.

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**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[BOT 0226]**

**FEBRUARY 2026**

**Sub. Code: 6203**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
THIRD YEAR - (Candidates admitted from the academic year 2022-2023 onwards)  
PAPER IV – O.T. IN ORTHOPAEDICS & NEUROLOGY**

*Q.P. Code: 786203*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the assessment and therapeutic strategies for a patient with Guillain-Barre Syndrome during the acute and recovery phases.
2. Describe occupational therapy rehabilitation in a patient with rheumatoid arthritis involving both upper limbs.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Describe the Occupational Therapist's role in spinal orthosis training and education.
2. Discuss different types of footwear modifications used for lower extremity deformities.
3. Explain the importance of early mobilization in wrist fractures.
4. Discuss the impact of intracranial tumours on motor, sensory and cognitive functions.
5. Common deformities in poliomyelitis.
6. Explain the impact of lower extremity orthoses on gait and mobility.
7. List and explain the components of a myoelectric prosthesis and the training involved in its use.
8. Describe the role of occupational therapy in managing upper limb burns during the sub-acute phase.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name two risk factors for work-related musculoskeletal disorders.
2. Mention two deformities observed in ulnar nerve injury.
3. Write two advantages of using a dynamic foot drop splint.
4. What is phantom limb pain?
5. What are two types of cerebellar ataxia?
6. Name two sensory re-education techniques used to improve cutaneous sensation.
7. Differentiate between activity grading for hypertonia and hypotonia.
8. What is meant by the term "relearning" in MRP?
9. Name the types of wheelchair.
10. Name two components of a floor reaction orthosis.

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