

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.
