

**Third Year Bachelor of Occupational Therapy Regular Examinations  
November 2023**

**Occupational Therapy in Neurology and Orthopaedics**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Elaborate on**

**(2x20=40)**

1. Describe the subtypes of Amyotrophic Lateral Sclerosis (ALS) and the course of the disease. Describe the role of the occupational therapist for a client with ALS.
2. What are the types of hip fracture and outline how are they managed. List precautions that must be taught to a patient with a total hip arthroplasty with postero-lateral and antero-lateral approaches to hip surgery. Explain the role of occupational therapist for the patient who underwent hip replacement surgery after a fractured hip

**Write notes on**

**(8x5=40)**

3. Mention the Brunnstrom's recovery stages of hand function
4. Describe Sliding board transfers for an individuals with spinal cord injuries
5. Describe the three typical forms of multiple sclerosis and the role of occupational therapy
6. Diffuse Axonal Injuries (DIA)
7. Modified Ashworth Scale
8. Mobile arm support
9. Describe the important complication of supra-condylar fractures of humerus
10. Occupational Therapy management for Guillain Barre Syndrome (GBS)

**Short Answers**

**(10x2=20)**

11. Principles of intervention of task oriented approach
12. In Rood's approach what stimuli is used to inhibit muscle tone or contraction
13. What are the signs of shoulder-hand syndrome
14. Explain why higher the upper extremity amputation, the more difficulty to use the prosthesis.
15. Any four manifestations of basal ganglia lesion manifestation
16. Side effects of immobilization
17. Difference between the functional position of the hand and the position of resting immobilization in splinting
18. List any two dynamic splints and its indications.
19. Apraxia.
20. Unilateral neglect.

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