Question Bank for Physiotherapy in Orthopaedics

Short-Answer Questions (All question from last 5 years TNMGRMMU question paper)

1. Define a fracture and classify fractures based on their pattern.
2. Explain the stages of fracture healing. Describe the biomechanical principles of the knee joint.
3. What is a dislocation? List common sites of dislocation in the body.
4. Differentiate between sprains and strains with examples.
5. What is osteoarthritis? List its common clinical features.
6. Explain the clinical presentation of ankylosing spondylitis.
7. Define scoliosis and mention its types.
8. Discuss the role of physiotherapy in managing ankylosing spondylitis.
9. Explain the physiotherapy assessment and management of congenital talipes equinovarus (clubfoot).
10. Describe the pathophysiology of rheumatoid arthritis.
11. Explain the physiotherapy management of a patient with a supracondylar fracture of the humerus.
12. Discuss the role of manual therapy techniques in the management of adhesive capsulitis
13. Describe the physiotherapy protocol for rehabilitation of a patient with a rotator cuff tear
14. Explain the principles and techniques of therapeutic exercises in managing low back pain.
15. Discuss the role of electrotherapy modalities in orthopaedic physiotherapy
16. Discuss the physiotherapy management of a patient post-total hip replacement, including precautions and long-term goals.
17. Explain the rehabilitation protocol for a patient with a meniscal injury post-arthroscopic surgery.
18. Describe the role of orthotic and prosthetic devices in the rehabilitation of amputees.
19. Discuss the physiotherapy management of sports injuries, with a focus on ankle sprains.
20. Explain the complications of orthopaedic surgeries and the role of physiotherapy in their prevention.

Long-Answer Questions -15 Marks

1. Discuss the classification of fractures in detail, including their clinical implications and examples. **FEB2023**
2. Explain the biomechanics of the shoulder joint and its relevance to physiotherapy interventions. **AUG2024**
3. Describe the complications of fractures and their impact on rehabilitation. **FEB2022**
4. Discuss the principles of immobilization in fracture management with examples. **AUG 2022**

5. Explain the role of X-rays in diagnosing orthopaedic conditions**AUG 2022**
6. Describe the etiology, clinical features, and physiotherapy management of osteoarthritis of the knee. **AUG2020**
7. Discuss the differences between rheumatoid arthritis and osteoarthritis in terms of pathology and management. **FEB 2020**
8. Explain the physiotherapy assessment and management of congenital talipes equinovarus (clubfoot). **AUG 2021**
9. Describe the types, causes, and management of spinal deformities like kyphosis and scoliosis. **FEB 2021**
10. Discuss the role of physiotherapy in managing ankylosing spondylitis. **NOV 2023**
11. Explain the physiotherapy management of a patient with a supracondylar fracture of the humerus.**APR 2023**
12. Discuss the role of manual therapy techniques in the management of adhesive capsulitis. **FEB 2022**
13. Discuss the role of manual therapy techniques in the management of adhesive capsulitis.**AUG2022**
14. Describe the physiotherapy protocol for rehabilitation of a patient with a rotator cuff tear**.FEB 2024**
15. Explain the principles and techniques of therapeutic exercises in managing low back pain.**AUG 2O23**
16. Discuss the role of electrotherapy modalities in orthopaedic physiotherapy. **AUG 2019**
17. Discuss the physiotherapy management of a patient post-total hip replacement, including precautions and long-term goals.**FEB 2025**
18. Explain the rehabilitation protocol for a patient with a meniscal injury post-arthroscopic surgery.**AUG 2024**
19. Describe the role of orthotic and prosthetic devices in the rehabilitation of amputees.**FEB2019**
20. Discuss the physiotherapy management of sports injuries, with a focus on ankle sprains.**AUG 2019**
21. Explain the complications of orthopaedic surgeries and the role of physiotherapy in their prevention**.AUG 2019**

5-Mark Short-notes Questions (All question from last 5 years TNMGRMMU question paper)

1. Explain the classification of fractures based on the extent of bone damage with examples.
2. Describe the stages of fracture healing and their significance in physiotherapy.
3. Discuss the biomechanics of the elbow joint and its clinical relevance.
4. Differentiate between open and closed fractures, including their management principles.
5. Outline the complications of improper immobilization in fracture treatment.
6. Explain the role of physiotherapy in the early management of soft tissue injuries.
7. Describe the types of dislocations and their common sites in the body.
8. Discuss the principles of traction in orthopedic management.
9. Explain the mechanism of injury for a Colles' fracture and its clinical features.
10. Describe the role of radiographs in diagnosing orthopedic injuries
11. Explain the pathophysiology of rheumatoid arthritis and its impact on joints.
12. Describe the clinical presentation and diagnostic tests for ankylosing spondylitis.

13. Discuss the clinical features and diagnostic criteria for osteoarthritis of the hip.
14. Outline the causes and types of scoliosis with examples.
15. Explain the physiotherapy assessment for a patient with plantar fasciitis.
16. Discuss the etiology and clinical features of congenital talipes equinovarus (clubfoot).
17. Describe the role of physiotherapy in managing gouty arthritis.
18. Explain the differences between osteomalacia and osteoporosis in terms of causes and features.
19. Discuss the clinical features of a rotator cuff tear and its initial management.
20. Outline the physiotherapy management for a patient with a frozen shoulder.