

# **Orthopedics Viva MCQs: General, Operative Treatment, and Soft Tissue Lesions (50 Marks)**

This document contains 25 multiple-choice questions (MCQs) worth 2 marks each, totaling 50 marks. The questions cover the specified orthopedic topics. Each MCQ includes the question, options (A-D), and the correct answer for grading purposes. Questions are grouped by section and topic for clarity. Compile this LaTeX file using `latexmk -pdf` or an online LaTeX compiler like Overleaf to generate the PDF.

## **1 General Orthopedics (16 Marks)**

### **1.1 1. Introduction to Orthopedic Terminology (4 marks)**

1. What term describes a break in bone continuity? A) Dislocation B) Fracture C) Sprain D) Strain **Answer:** B
2. The term "subluxation" refers to: A) Complete joint displacement B) Partial joint displacement C) Muscle tear D) Ligament inflammation **Answer:** B

### **1.2 2. Clinical Examination (4 marks)**

1. The Lachman test is used to assess: A) Meniscal injury B) Anterior cruciate ligament stability C) Rotator cuff tear D) Achilles tendon rupture **Answer:** B
2. Which clinical sign indicates joint inflammation? A) Crepitus B) Swelling and warmth C) Muscle atrophy D) Bone deformity **Answer:** B

### **1.3 3. Common Investigations (4 marks)**

1. Which imaging modality is best for assessing soft tissue injuries like ligaments? A) X-ray B) CT scan C) MRI D) Ultrasound **Answer:** C
2. Bone scintigraphy is primarily used to detect: A) Soft tissue swelling B) Bone metabolism and pathology C) Joint effusion D) Muscle tears **Answer:** B

### **1.4 4. Principles of Management (4 marks)**

1. The primary goal of orthopedic management is to: A) Restore function and relieve pain B) Increase joint stiffness C) Reduce muscle mass D) Prevent all motion **Answer:** A
2. Non-operative management often includes: A) Immediate surgery B) RICE protocol (Rest, Ice, Compression, Elevation) C) Arthrodesis D) Osteotomy **Answer:** B

## **2 Principles of Operative Treatment (18 Marks)**

### **2.1 1. Indications (4 marks)**

1. Arthroplasty is indicated for: A) Minor sprains B) Severe joint arthritis C) Muscle strains D) Tendonitis **Answer: B**

2. Tendon transfer is indicated when: A) Bone is fractured B) Muscle function is lost due to nerve injury C) Ligaments are inflamed D) Joint capsule is intact **Answer: B**

### **2.2 2. Contraindications (4 marks)**

1. A contraindication for arthrodesis is: A) Joint instability B) Active infection C) Chronic pain D) Joint deformity **Answer: B**

2. Arthroplasty is contraindicated in: A) Osteoarthritis B) Poor bone stock C) Joint stiffness D) Fractured bone **Answer: B**

### **2.3 3. Principles of Arthrodesis, Arthroplasty, Osteotomy, Bone Grafting, Tendon Transfers (10 marks)**

1. Arthrodesis involves: A) Joint replacement B) Joint fusion to eliminate motion C) Bone reshaping D) Tendon rerouting **Answer: B**

2. Arthroplasty is the surgical: A) Fusion of a joint B) Replacement of a joint C) Realignment of bone D) Grafting of bone **Answer: B**

3. Osteotomy involves: A) Cutting and realigning bone B) Replacing cartilage C) Fusing joints D) Transferring tendons **Answer: A**

4. Bone grafting is used to: A) Replace ligaments B) Promote bone healing or fusion C) Reduce joint mobility D) Treat tendonitis **Answer: B**

5. Tendon transfer restores function by: A) Fusing joints B) Rerouting a tendon to replace lost muscle action C) Removing bone D) Replacing cartilage **Answer: B**

## **3 Soft Tissue Lesions (16 Marks)**

### **3.1 1. Sprains and Muscle Strains (4 marks)**

1. A sprain involves injury to: A) Muscle B) Ligament C) Tendon D) Bone **Answer: B**

2. A muscle strain is caused by: A) Bone fracture B) Overstretching or tearing of muscle fibers C) Ligament inflammation D) Joint dislocation **Answer: B**

### **3.2 2. Capsulitis (2 marks)**

1. Capsulitis is inflammation of: A) Joint capsule B) Muscle C) Tendon sheath D) Bursa **Answer: A**

### 3.3 3. Bursitis (2 marks)

1. Bursitis is inflammation of: A) Tendon B) Bursa C) Ligament D) Cartilage **Answer: B**

### 3.4 4. Tenosynovitis (2 marks)

1. Tenosynovitis affects the: A) Joint capsule B) Tendon sheath C) Muscle belly D) Bone surface **Answer: B**

### 3.5 5. Fascitis (2 marks)

1. Plantar fasciitis commonly affects: A) Foot arch fascia B) Knee ligaments C) Shoulder capsule D) Elbow tendons **Answer: A**

### 3.6 6. Tendonitis (4 marks)

1. Tendonitis is characterized by: A) Bone inflammation B) Tendon inflammation C) Muscle tear D) Joint effusion **Answer: B**

2. A common site for tendonitis is: A) Achilles tendon B) Vertebral body C) Rib cartilage D) Skull suture **Answer: A**

## 4 Mark Distribution Summary

- General Orthopedics: 16 marks (8 MCQs)
- Principles of Operative Treatment: 18 marks (9 MCQs)
- Soft Tissue Lesions: 16 marks (8 MCQs)
- **Total:** 50 marks

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