



Chapter 1 Question Bank

Chapter 1: Introduction to Orthopaedics & Principles of Fracture Healing

I. Short Answer Questions (2 Marks)

1. Define orthopaedics.
2. List the functions of bone.
3. What is fracture?
4. Define sprain and strain.
5. What is callus formation?
6. Name the stages of fracture healing.
7. Define dislocation.
8. Mention two complications of fracture.
9. What is mal union?
10. Define osteoporosis.

II. Short Notes (5 Marks)

1. Stages of fracture healing.
2. Classification of fractures.
3. Complications of fracture.
4. Difference between closed and open fracture.
5. Principles of fracture management.
6. Pathological fracture.
7. Dislocation vs Subluxation.
8. Types of bone grafts.
9. Osteomyelitis – causes and clinical features.
10. Immobilization methods used in fracture treatment.

III. Essay questions (5 Marks)

1. Describe in detail the stages and factors influencing fracture healing.
2. Explain classification of fractures with examples.
3. Discuss complications of fractures and their management.
4. Write the principles of fracture treatment with role of physiotherapy.
5. Explain in detail about bone grafts and their uses.
6. Describe the clinical features, diagnosis, and management of dislocation.
7. Write in detail about osteoporosis and physiotherapy management.

IV. MCQs (Choose the best answer)

1. Primary callus in fracture healing is formed in:
a) 24 hours
b) 1 week
c) 2 weeks
d) 6 weeks
2. Malunion means:
a) Fracture not united
b) Fracture united in wrong position
c) Delayed fracture healing
d) Infection in fracture site
3. Which of the following is NOT a complication of fracture?
a) Malunion
b) Non-union

- c) Subluxation
- d) Osteoarthritis
- 4. Pathological fractures occur due to:
 - a) Trauma
 - b) Road traffic accidents
 - c) Weak bone due to disease
 - d) Dislocations
- 5. The first stage of fracture healing is:
 - a) Callus formation
 - b) Remodeling
 - c) Hematoma formation
 - d) Ossification