

**POST GRADUATE EXAMINATION, JUNE - 2023**

**MS ORTHOPAEDICS**

**(PAPER ONE)**

**BASIC SCIENCES INCLUDING PRINCIPLES OF GENERAL SURGERY  
AS APPLIED TO ORTHOPAEDICS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Discuss anatomy, histology, function & factors affecting articular cartilage. **(20)**

**Q. 2.** Discuss types, causes, clinical features, investigations & management of osteoporosis. **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. AVN of femoral head
- b. Amputation
- c. Bone healing

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. DVT
- b. Shock
- c. Ilio-inguinal Approach
- d. Anatomy of cruciate ligaments
- e. Gout

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**MS ORTHOPAEDICS**

**(PAPER TWO)**

**TRAUMATOLOGY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Discuss classification, clinical features, investigations, management & complications of Pelvis fracture. **(20)**

**Q. 2.** Discuss types, causes, clinical features, investigations & management of Non- union. **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. Acromio-clavicular dislocation
- b. ACL- Injury
- c. Traumatic Paraplegia

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. External Fixator
- b. Regional Pain syndrome
- c. Pathological Fracture
- d. Bennett's fracture dislocation
- e. Bone Graft

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**MS ORTHOPAEDICS  
(PAPER THREE)**

**DISEASES IN ORTHOPAEDICS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Discuss how will you evaluate & investigate a case of lytic lesion in bone. Discuss management of giant cell tumor. **(20)**
- Q. 2.** Discuss how will you evaluate, investigate & manage a case of back pain. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. T.B Knee
  - b. Perthe's disease
  - c. Rheumatoid Hand
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Re-current dislocation of Patella
  - b. Hallux valgus
  - c. Rotator cuff tear
  - d. Tardy Ulnar nerve palsy
  - e. Osteogenesis imperfecta

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**MS ORTHOPAEDICS**

**(PAPER FOUR)**

**RECENT ADVANCES IN ORTHOPAEDICS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Discuss in detail recent development in management of osteoporosis. **(20)**
- Q. 2.** Discuss classification, investigations & management of Periprosthetic fracture. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Growth modulation
  - b. Uni condylar knee replacement
  - c. Masquelet technique
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. RIA
  - b. Covid and Orthopaedics
  - c. Autologous Chondrocyte implantation
  - d. PET Scan
  - e. 3-D Printing

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