

**POST GRADUATE EXAMINATION, JUNE - 2021**

**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 surgical anatomy of shoulder joint. Describe various clinical test for rotator cuff injury. (20)
- Q. 2.** Discuss role of Parathyroid hormone in calcium metabolism. Describe types, investigation and management of Hyperparathyroidism. (20)
- Q. 3. Describe briefly:** (3x10=30)
- a. Avascular necrosis of bone
  - b. Fracture healing
  - c. Cadaver bone graft
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. DVT
  - b. Gangrene
  - c. Hennerly's approach
  - d. Bone scan
  - e. Symes amputation

X

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**MS ORTHOPAEDICS  
(PAPER TWO)**

**TRAUMATOLOGY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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

**Q. 1.** Discuss pathoanatomy and management of recurrent dislocation of shoulder. **(20)**

**Q. 2.** Discuss various classification and management of Intertrochanteric fracture. **(20)**

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

- a. Assessment & Management of traumatic paraplegia
- b. AO classification and management of Distal radius fracture
- c. Management & complication of pelvic fracture

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

- a. Avulsion Fractures
- b. Pathological fracture
- c. Aviator fracture
- d. Evolution of intramedullary nail
- e. Peri prosthetic fracture

X

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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 etiopathology, clinical evaluation, types and management of cerebral palsy. (20)
- Q. 2.** Discuss classification, pathology, investigations and management of Potts paraplegia. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Metastatic bone disease
  - b. Brachial plexus injury
  - c. Rheumatoid hand
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Rotator cuff arthropathy
  - b. Chondromalacea patelle
  - c. Acetabulofemoral impingement
  - d. Tarsal coalition
  - e. Charcot arthropathy

X

**POST GRADUATE EXAMINATION, JUNE - 2021**

**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 current and future diagnostic tool to detect Peri prosthetic infection. Outline the principle of management of same. **(20)**

**Q. 2.** Discuss indication, contraindication and technique of Unicondylar knee. **(20)**

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

- a. Biologics in Rheumatoid arthritis
- b. Novel corona virus and Orthopedics surgery
- c. RIA

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

- a. 3-D printing
- b. Stem cell in orthopaedics
- c. LCP
- d. Denasumab
- e. PET scan

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