

**POST GRADUATE EXAMINATION, APRIL/MAY-2022**

**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.** Describe the anatomy and course of sciatic nerve and discuss the clinical picture and management of Sciatic Nerve Palsy. **(20)**

**Q. 2.** Discuss calcium metabolism and its regulation by different hormones. **(20)**

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

- a. Arches of the foot
- b. Synovial fluid analysis
- c. Applied aspects of NCV and EMG

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

- a. Age related changes of inter-vertebral disc
- b. Diagrammatic representation of blood supply of femoral head
- c. Principles of tendon transfer
- d. Functions of cartilage
- e. Thoracic outlet syndrome

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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 the classifications, clinical features and management of fracture neck femur in a 45 years old male patient. **(20)**
- Q. 2.** Classify compound fractures. Describe the emergency and definitive management of compound grade III-A fracture of Tibia in a polytrauma patient. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Rotator Cuff Injury
  - b. Management of Fracture Calcaneum
  - c. Henry approach to Radius
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Bennett's fracture dislocation
  - b. Pathological fractures
  - c. Morel- Lavallee lesion
  - d. Classification of epiphyseal injuries
  - e. Meniscal injuries

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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.** Describe the aetiopathogenesis, clinical features and management of DDH in a 2 year old child. (20)

**Q. 2.** Discuss clinico-radiological features, staging and management of TB Hip. (20)

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

- a. Cubitus Varus
- b. Ewing's sarcoma
- c. Chronic Osteomyelitis

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

- a. Osgood- Schlatter disease
- b. Chondromalacia patella
- c. Paget's disease
- d. Plantar fasciitis
- e. Frozen shoulder

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**POST GRADUATE EXAMINATION, APRIL/MAY-2022**

**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.** Describe the evaluation of periprosthetic fractures and current concept of their management. (20)
- Q. 2.** Discuss the evaluation and recent line of management for limb salvage surgery in malignant tumours. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Role of PRP in Orthopaedics
  - b. Articular Cartilage Transplant
  - c. Unicondylar Knee Replacement
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Reaming Irrigation Aspirator (RIA)
  - b. Stimulan
  - c. Ponseti Technique
  - d. PET Scan
  - e. Computer navigation

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