

POST GRADUATE EXAMINATION, MAY - 2018

**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 aetiopathogenesis, clinical features, diagnosis and management of osteonecrosis of head of femur. (20)
- Q. 2.** Describe the anatomy and course of radial nerve and discuss the clinical picture and management of high Radial Nerve Palsy. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Synovial fluid analysis
 - b. Anatomy of cruciate ligament
 - c. Shock
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Stages of bone healing
 - b. Mechanical functions of cartilage
 - c. Bed sores
 - d. Principles of tendon transfer
 - e. Reflex sympathetic dystrophy

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 classification, radiological investigation and management of acetabulum fracture. (20)

Q. 2. Discuss causes, type and management of non-union. (20)

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

- a. Colles's fracture
- b. ACL injury
- c. Recurrent dislocation of shoulder

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

- a. Neurogenic bladder
- b. Hoffa's fracture
- c. Ankle sprain
- d. Bohler-Brown splint
- e. AO classification of 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.** Classify, malignant bone tumours. Discuss, the management of Ewing's sarcoma. (20)
- Q. 2.** Classify, congenital anomalies of lower limb. Discuss the management of proximal focal femoral deficiency in an adolescent. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Management of C.T.E.V. after two years
 - b. Infantile pyogenic arthritis of hip
 - c. Antitubercular treatment in osteoarticular tuberculosis
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Madura foot
 - b. Lumbar canal stenosis
 - c. Pseudo-hypertrophic muscular dystrophy
 - d. Carpal tunnel syndrome
 - e. Osteochondritis dessicans

X

POST GRADUATE EXAMINATION, MAY - 2018

**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. Indications and types of shoulder arthroplasty and their limitations. **(20)**

Q. 2. Damage control orthopaedics and current concepts. **(20)**

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

- a. Role of stem cells in orthopaedics
- b. Advanced trauma life support
- c. Immunotherapy in bone tumours

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

- a. Bone graft substitutes
- b. Bio-absorbable implants
- c. Ceramics as bearing surface in total hip arthroplasty
- d. Antibiotic coated nails
- e. Chondrocyte culture and uses

X