

POST GRADUATE EXAMINATION, JANUARY-2025

**MS ORTHOPAEDICS
(PAPER ONE)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe various types of shock, their differentiating feature and management of septicemic shock. (20)
- Q. 2.** Discuss the anatomy and biomechanics of knee joint. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Osteoporosis
 - b. DVT
 - c. Kocher –Langenbeck approach of hip
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Tetanus
 - b. Trophic ulcer
 - c. Blood supply of bone
 - d. Fracture healing
 - e. Scurvy

X

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**MS ORTHOPAEDICS
(PAPER TWO)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss classification, clinical features, investigation & management of acetabular fracture. (20)

Q. 2. Discuss classification of dorso lumbar spine injuries & management of traumatic paraplegia. (20)

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

- a. Recurrent anterior dislocation shoulder
- b. Distraction osteogenesis
- c. ACL injury

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

- a. Infected nonunion
- b. Multi lock nail
- c. Pathological fracture
- d. Thomas splint
- e. Rollando fracture

X

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**MS ORTHOPAEDICS
(PAPER THREE)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss patho-anatomy, clinical features, investigations & management of DDH. (20)

Q. 2. Describe various types, clinical features, investigations & management of Spondylololsthesis. (20)

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

- a. Rotator cuff tear
- b. Patello-femoral instability
- c. Metastatic bone disease

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

- a. Spina ventosa
- b. Boutonniere deformity
- c. Fibrous dysplasia
- d. Paget's disease
- e. Claw hand

X

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**MS ORTHOPAEDICS
(PAPER FOUR)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss various bone graft substitutes & their properties. Discuss in detail RIA technique. **(20)**

Q. 2. Discuss indication, contra indication & technique of Unicondilar Knee Replacement (UKR). **(20)**

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

- a. Denusamab
- b. Masquelet technique
- c. Resistant tuberculosis

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

- a. Endoscopic spine surgery
- b. 3-D printing in orthopaedics
- c. PET-scan
- d. Cadaveric transplant
- e. FRAX score

X