

NOV-2023

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

MS ORTHOPAEDICS – PAPER - I

QP CODE: 5069

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Discuss the calcium metabolism and calcium deficiency states.
2. Discuss the detail characteristics of synovial fluid and its role in diagnosis of common joint disorder.

Short Essay

(6x10=60 Marks)

3. Blood supply of scaphoid bone.
4. Compartment syndrome.
5. Cortical screws.
6. Brown tumour.
7. Vertical talus.
8. Bone bank.

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[Max. Marks: 100]

MS ORTHOPAEDICS– PAPER - II
QP CODE: 5070

Your answer should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only.
Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Describe in detail various classifications of Fracture Neck of Femur add a note on the clinical significance of each type of fracture and its management. (8+ 12)
2. Biological Fixation of Fractures

Short Essay

(6x10=60 Marks)

3. Heterotopic Ossification
4. Management of Infected Non-Union Tibia in a 40 yr old male patient
5. Skull Traction
6. Functional Cast Bracing
7. Cubitus Varus
8. Describe the Anterior Approach to the Distal Radius

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MS ORTHOPAEDICS – PAPER - III

QP CODE: 5071

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Discuss clinical & Radiological features of infantile Rickets.
2. Enlist benign cystic lesions of bones. Discuss "Sandwich Grafting" in view of cystic lesions.

Short Essay

(6x10=60 Marks)

3. Discussion Wallerian Degeneration.
4. Discuss clinical features of Gout & management of gouty tophi.
5. Discuss Brown Tumour.
6. Discuss claudication in Orthopedics.
7. Enlist types of chronic Osteomyelitis. Discuss "Saucerisation".
8. Discuss Sero-negative Spondyloarthropathies.

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MS ORTHOPAEDICS – PAPER - IV

QP CODE: 5072

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. a. Limb salvages Technique in malignant tumors.
b. Recurrent GCT.
c. Sandwich technique in management of GCT. 10+5+5 marks
2. a. Gene therapy in Orthopedics.
b. Contrast Enhanced MRI in Orthopedics - principle and indications.
c. USG in Orthopedics – principle and indications. 10+5+5 marks

Short Essay

(6x10=60 Marks)

3. STEM cells in orthopaedic practice.
4. COVID related complications in Orthopaedics.
5. Musculoskeletal manifestations of HIV.
6. Reverse shoulder arthroplasty – principle, indications, and contraindications.
7. Define surgical site infection. Describe current WHO guidelines for its prevention.
8. Enumerate bone graft substitute and describe in brief advantages and disadvantages of each type.