

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A Deemed to be University)

Post Graduate Examination October/November 2025

Orthopaedics Paper I

QP CODE: P3181

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. Discuss the etiopathogenesis of Renal osteodystrophy. How will you diagnose and manage it? [4+6]
2. Describe the pathophysiology of Slipped Capital Femoral Epiphysis. Discuss the various clinical and radiological signs for the diagnosis for it. [3+4+3]
3. Describe pathophysiology and differential diagnosis of Skeletal Fluorosis. Discuss the clinical tests for diagnosis of Skeletal Fluorosis. [3+3+4]
4. Describe blood supply of talus with neat labelled diagram. Classify Fracture talus and write about its management. [5+2+3]
5. Describe the anatomy of Gleno-humeral ligaments? Mention the clinical features and pathology of Recurrent Anterior Dislocation of Shoulder? [5+3+2]
6. Describe the pathophysiology of Osteosarcoma and the chemotherapy regimen used in Osteosarcoma. What is the role of Neo adjuvant chemotherapy in bone tumours? [3+4+3]
7. Discuss characteristic features of normal Synovial fluid. Mention the indications of Synovial fluid analysis and how do you interpret it? [3+2+5]
8. What is Myoelectric prosthesis? Describe its components, applications & advantages. [2+2+4+2]
9. Discuss Pathogenesis of Lumbar Canal Stenosis? How do you differentiate Vascular & Neurogenic Claudication? [5+5]
10. Discuss Fracture healing. What are the factors enhancing and hindering Fracture healing? [5+5]

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Orthopaedics Paper II

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1. Classify Diaphyseal fractures of Femur? Describe the various modalities of management of Diaphyseal fracture? Mention SIX complications? [2+5+3]
2. Describe Ruedi and Allgower classification of Pilon fracture. Describe the goals of surgical management of Pilon fracture and its complications. [4+4+2]
3. What is Morel Lavellee lesion? How will you manage it? Mention SIX Acute complications of Pelvic fractures? [3+4+3]
4. Classify Proximal Humerus fractures in adults? Describe the management of 4-part fracture in a young adult and discuss the complications? [4+4+2]
5. Classify Distal Radius fractures. Describe radiological indices of Wrist. Discuss the treatment principles of extra-articular Distal Radius fractures? [3+2+5]
6. Classify Radial head fracture? Explain its mechanism of injury and describe its management? [3+3+4]
7. Classify Tibial plateau fractures. Describe current principles of management of Tibial plateau fractures. [3+7]
8. Classify Acromio-clavicular (AC) injuries in children? Discuss the indications and modalities of surgical management of AC joint injuries in adolescent age group? [4+3+3]
9. Classify Hip fractures in children? Classify the types of osteonecrosis following Hip fractures in children and mention FOUR surgeries done management osteonecrosis? [5+3+2]
10. Classify injuries of Thoraco-Lumbar spine. Discuss the indications, timing of surgery and complications of Thoraco-Lumbar spine fracture. [3+2+2+3]

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Orthopaedics Paper III

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10X10= 100

1. What is below-elbow prosthesis? Describe the components of below-elbow prosthesis. Give its advantages and disadvantages. [1+3+3+3]
2. Describe etiopathogenesis, clinical features, investigations and treatment of Nutritional Rickets. [2+2+3+3]
3. Describe the aetiology, clinical features, differential diagnosis, investigations and management of cervical disc disease. [2+2+2+2+2]
4. Describe the etiopathogenesis, clinical features, classification and Describe the various modalities of management of primary Osteoarthritis of Hip joint. [3+2+2+3]
5. What is Osteochondrosis? Describe the various types of Osteochondrosis. Describe the clinical features and management of Kohler disease. [2+2+6]
6. Describe etiopathogenesis, physical examination, radiological examination and laboratory tests in musculo-skeletal neoplasms. [3+2+2+3]
7. Discuss Vacuum Assisted Closure therapy. Describe the management of defects in Chronic Osteomyelitis. [5+5]
8. Describe the anatomy of peripheral nerve. Classification, diagnosis and management of peripheral nerve injury. [2+2+2+4]
9. What is amputation? Describe Mangled extremity severity scoring system? Mention FOUR indications for below knee amputation? [2+6+2]
10. Describe aetiology, classification and radiographic evaluation of Congenital clubfoot. [2.5+2.5+5]

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Orthopaedics Paper IV

QP CODE: P3184

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10X10=100

1. Discuss the Recent advances in Arthroscopic ACL reconstruction with reference to creation of Femoral tunnel and Femoral fixation methods. (5+5)
2. What is Total Hip arthroplasty? Discuss indication, contraindication, preoperative planning and complications. (2+2+2+2+2)
3. Describe the aetiology, clinical features and management of post-operative painful total knee replacement? (2+3+5)
4. What is Robotics? Describe briefly advances in Robotic orthopaedic surgery. Mention its advantages and disadvantages. (2+4+4)
5. Discuss Pathogenesis, Clinical features & management of Tuberculosis spine in a child 10 yrs. old. (3+3+4)
6. Describe Lateral Pivot Shift Test of Macintosh? What are the non-operative managements of Knee injury? (5+5)
7. Describe Intrinsic muscles of Hand. What are Intrinsic plus Hand and Intrinsic minus Hand? (4+3+3)
8. Describe the arches of Foot. Discuss the clinical features and management of flat Foot. (4+2+4)
9. Discuss applied biomechanics of Shoulder joint. Describe indication and contraindication of Total Shoulder replacement? (5+5)
10. Describe briefly Arthroscopic management of Osteochondral lesions of Knee. Describe about the MCAI (Matrix Associated Chondrocyte Implantation) (6+4)