

PG Examinations June/July 2023

Time : 180 Minutes

Max Marks : 100 Marks

Orthopaedics Paper I

QP CODE: P3181

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

1. Discuss the pathophysiology of Achilles tendon rupture. Describe the surgical management protocol for it? [4+6]
2. Enumerate the principles of Dynamic Compression Plate. Describe the indications and complications of Dynamic Compression Plate. [5+3+2]
3. Enumerate the blood supply of Femoral head. Describe the causes and Ficat & Arlet classification of Avascular necrosis of Femoral head. [3+3+4]
4. Define Multi Drug Resistant(MDR) Tuberculosis. Discuss the clinical features and management of a case of MDR Tuberculosis of spine. [3+3+4]
5. Discuss two tests to differentiate High Radial nerve palsy from Low Radial nerve palsy. Describe the indications, benefits and draw backs for various tendon transfer procedures for Radius nerve palsy. [2+8]
6. Describe the anatomy of Triangular Fibro Cartilage Complex[TFCC]. Write a short note on indications, technique and complications of Darrach's procedure. [4+2+2+2]
7. Describe Trendelenberg gait and it's clinical importance. What is Trendelenberg sign. [4+3+3]
8. Describe the gross and microscopic features of bone. Write a note on classification of bone based on it. [3+3+4]
9. Describe methods to cover the defects after excision of primary malignant tumours of Bone. What is extracorporeal irradiated tumour bone? [6+4]
10. Describe the various Augmentation methods of Fracture healing. Discuss the role of platelet rich plasma in Orthopaedics? [5+5]



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

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Orthopaedics Paper II

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1. Describe the clinical features, diagnosis and management of Volar Barton's fracture. [2+3+5]
2. Describe the clinical features and management of Ipsilateral Neck with Shaft of Femur fracture? Mention FOUR complications? (4+4+2)
3. Classify Tibial eminence fracture in children. Describe it's clinical features and management? [4+2+4]
4. Describe the various passive and active mechanisms/structures providing Glenohumeral stability. Describe the pathoanatomy of Shoulder dislocation. [7+3]
5. Describe the various treatment modalities of closed Tibial diaphysal fractures? Mention FOUR common local complications of fracture Tibia? What is Checkrein deformity? (6+2+2).
6. Describe the indications, advantages and disadvantages of Sauve-Kapandji procedure? (4+3+3)
7. Classify Radial neck fractures. Describe various modalities of management of Radial neck fractures in children? Discuss Metaizeau technique? [4+3+3]
8. Describe the radiological evaluation of a patient with fracture Acetabulum? Mention the algorithm of management of fracture Acetabulum? [4+6]
9. Distinguish between Conus medullaris syndrome and Cauda Equina syndrome. Mention the criteria for "Clinical" Clearance of Spine while evaluating a patient. [6+4]
10. Describe the classification and radiological assessment of Calcaneal fracture. Discuss the complications of Intra-articular Calcaneal fracture. [4+6]



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Orthopaedics Paper III

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1. Describe the etio-pathogenesis, clinical features, classification and Describe the various modalities of management of primary Osteoarthritis of Hip joint. [3+2+2+3]
2. Describe etio-pathogenesis, physical examination, radiological examination and laboratory tests in musculo-skeletal neoplasms. [3+2+2+3]
3. Define amputation. Describe TWO named amputations used in paediatric age group in lower limb. [2+4+4]
4. Describe the anatomy of peripheral nerve. Classification, diagnosis and management of peripheral nerve injury. [2+2+2+4]
5. What is below-elbow prosthesis? Describe the components of below-elbow prosthesis. Give its's advantages and disadvantages. [1+3+3+3]
6. Describe the natural sources, calcium preparations and daily requirements of Calcium in normal individuals. [4+3+3]
7. Describe the etiology, clinical features, differential diagnoses and management of Osteochondritis dissecans of the Capitellum. [2+2+2+4]
8. Describe the role and technique of Rotationplasty and Femoropelvic arthrodesis in management of Proximal femoral focal deficiency. [5+5]
9. Describe indications, contraindications, procedure and complications of epidural cortisol injections. [2+2+3+3]
10. Discuss the etio-pathogenesis and management of Fungal Osteomyelitis. [4+6]



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Orthopaedics Paper IV

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1. Discuss the role of Interventional radiology in orthopaedics. Enumerate the various indications of it. Describe its role in Preoperative embolisation in tumor surgery (4+2+4)
2. Mention various methods of Anterior Cruciate Ligament (ACL) Reconstruction. Discuss the pros & cons of each method. (5+5)
3. What is Total Knee replacement? Discuss indication, contraindication, preoperative planning and complications. (2+2+2+2+2)
4. Discuss the Management of Osteolysis Over Femoral Side Of Uncemented Total Hip Arthroplasty?
5. Describe the etiology of pectus carinatum? Discuss the management of unresolved pectus carinatum in a 10-year-old child?
6. Define Carpal instability? What are the types of carpal instability? Describe the management of scapholunate dissociation. (2+3+5)
7. Describe Intrinsic muscles of Hand. What are Intrinsic plus Hand and Intrinsic minus Hand? (4+3+3)
8. What is tarsal tunnel syndrome? Discuss Etiology, clinical features, diagnosis and treatment. (1+2+2+2+3)
9. What is Autologous chondrocyte transplantation. Mention its advantages and complications. Discuss briefly the steps involved in Autologous chondrocyte transplantation for cartilage defect in Knee. (2+4+4)
10. Describe the pathology, diagnosis and broad principles of management of Ankylosing spondylitis. (2+3+5)

