

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - June/July 2020

Time : 3 Hrs

Max Marks : 100

M.S ORTHOPAEDICS

Paper- I QP Code: P3181

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100

1. Describe the course of Radial nerve in the arm with diagram ? Describe the clinical features of crutch palsy ? [4+2+4]
2. Discuss the pathophysiology of Achilles tendon rupture. Describe the clinical test for diagnosis of it. [4+6]
3. Describe the structure of a bone with a neat labelled diagram. Discuss different stages of Fracture healing. [4+6]
4. What is Compartment syndrome? Differentiate acute and chronic Compartment syndrome. Discuss the indications, technique and complications of single incision Fasciotomy of Leg. [2+2+2+2+2]
5. Define Osteoporosis? What is Hormone Replacement Therapy? Describe the indications, mechanism of action, dosage and adverse effects of Tamoxifen. [2+4+4]
6. Describe the etiology, clinical features of Thoracic outlet syndrome. Discuss the clinical tests for the diagnosis Thoracic outlet syndrome. [3+3+4]
7. Describe Gustilo-Anderson classification. Describe the various Myocutaneous flaps used to cover tibia at different levels. [5+5]
8. Describe the indications, contraindications, technique and complications of Epidural steroid injections. [2+2+3+3]
9. What is Bone scan? What are the types of Bone scan? Discuss indications, contraindications and complications of Bone scan. [2+2+2+2+2]
10. What is Templating? How do you template for a case of Total Hip Arthroplasty? [4+6]

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Paper- II QP Code: P3182

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LONG ESSAY

10 X 10 = 100

1. Classify the condylar fractures of Distal Humerus? Describe the role of non-operative and operative methods of treatment of condylar fracture of humerus ? [4+3+3]
2. Classify Coronoid fractures ? Describe the management and mention four complications ? [3+4+3]
3. Describe the Blood supply of Scaphoid bone? Classify Scaphoid fractures ? Describe the Management of displaced and unstable Scaphoid fractures ? [4+2+4]
4. Describe the management of Acetabular fractures? Discuss "STOPPA" approach and it's merits. [6+4]
5. Describe the advantages of the Autologous Bone Grafting ? Mention FOUR donor sites for Autologous Bone Grafts? Write notes on RIA (REAMER+IRRIGATION+ASPIRATOR) of Femur in bone grafts? (3+4+3).
6. What is Vacuum Assisted Closure(VAC)? How will you manage a case of compound fracture of Tibia without neurovascular deficit. [3+7]
7. Mention TWO per operative tests for Syndesmotic ankle injury? Describe the ideal technique of insertion of screw to reduce the Syndesmotic ankle injury ? (4+4+2)
8. What is Whiplash injury of cervical spine? Discuss the clinical features, diagnosis and management of L1 Flexion-Distract injury. [3+2+2+3]
9. Describe the classification and management of Lateral Condylar fracture in a paediatric Elbow. [5+5]
10. What is pre slip in Slipped Capital Femoral Epiphysis? Describe the clinical features and management of chronic slipped capital femoral epiphysis? [2+4+4]

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Paper- III QP Code: P3183

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LONG ESSAY

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1. Describe etiology, deformities and Pirani Scoring of Clubfoot deformity. [2+2+6]
2. Describe the natural sources, calcium preparations and daily requirements of Calcium in normal individuals. [4+3+3]
3. Describe a) Innominate osteotomy and b) Lateral Shelf procedure with respect to technique and complications in the management of Legg-Calve-Perthes disease. [5+5]
4. Define Gangrene. Describe the etiological classification & management of gas gangrene? [2+3+5]
5. Describe the etio-pathogenesis, clinical features, classification and Describe the various modalities of management of primary Osteoarthritis of Knee joint. [3+2+2+3]
6. Briefly describe the etiology, clinical features, investigations, histopathology and treatment of aneurysmal bone cyst. [2+2+2+2+2]
7. What is Fore quarter amputation? Mention its indications and disadvantages. [4+3+3]
8. What is SACH foot [Solid Ankle Cushion Heel foot]? Describe the components of SACH foot. Give its advantages and disadvantages. [1+3+3+3]
9. Describe the anatomy of Radial nerve. What are the types of Radial nerve injuries? Describe the clinical features and management of High Radial nerve palsy. [3+2+2+3]
10. Describe the indications, advantages and disadvantages of posterior scoliosis surgery. [3+3+4]

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Paper- IV QP Code: P3184

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LONG ESSAY

10 X 10 = 100

1. Classify the Peri-articular fractures of Distal Femur. Discuss the recent advances in the management of Periarticular Fractures. (4 + 6)
2. Describe the origin, insertion and function of teres minor ? Discuss the clinical tests to diagnose isolated tears of teres minor ?
3. Describe the various steps in Fracture Healing. Discuss about Biological enhancement of Fracture Healing. (4 + 6)
4. Mention the types of spinal cord lesions following fracture dislocation of C5-6 vertebrae and discuss clinical features, treatment and prognosis of each type of lesion in adult. (4+6)
5. Describe various clinical tests for evaluation of ligamentous injuries of Knee. Discuss the diagnosis and management of Anterior cruciate Ligament (ACL) Injury. (5+5)
6. Discuss anatomy of flexor tendons of hand and basic tendon repair techniques. (5+5)
7. What is Pes Planus ? Discuss etiology & Management?(2+3+5)
8. Describe Dynamic Locking Blade Plate For Neck Of Femur Fracture ?
9. What is Revision Total Knee Replacement? Discuss indications, contraindications, preoperative planning and surgical approach? (2+2+2+2+2)
10. Discuss indication, contraindication and complications of Total Shoulder replacement. (3+3+4)