



SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - July 2021

Time : 3 Hrs

Max Marks : 100

M.S ORTHOPAEDICS

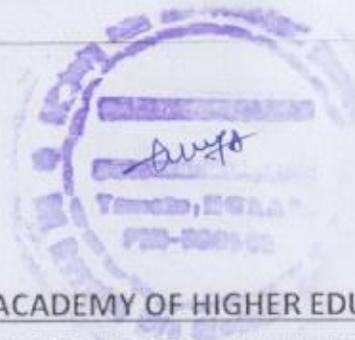
Paper- I QP Code: P3181

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

LONG ESSAY

10 X 10 = 100

1. Describe anatomy of Radial and Ulnar bursae in Hand? Describe the clinical features and management of Compound Palmar Ganglion? [3+3+4]
2. Describe blood supply of talus with neat labelled diagram. Classify Fracture talus and write about its management. [5+2+3]
3. Draw a neat labelled diagram of urinary bladder with its innervation. Discuss the management of paralytic bladder. [5+5]
4. What is Compartment syndrome? Differentiate acute and chronic Compartment syndrome. Discuss the indications, technique and complications of Fasciotomy of Volar Compartment of Forearm. [2+2+2+2+2]
5. Mention FOUR deformities in Rheumatoid arthritis. Enumerate the various drugs used in Rheumatoid arthritis. Describe the mechanism of action, dosage and adverse effects of Methotrexate. [2+4+4]
6. Describe the Clinical tests: a. Finkelstein's test b. Kanavel sign c. Cozen's test d. Phalen's manoeuvre e. Froment's sign. [2+2+2+2+2]
7. How do you clinically assess the fluid inside the Knee joint. Discuss the clinical features and management of Haemarthrosis of Knee joint. [4+2+4]
8. Describe the complications of Disc excision. Discuss Lumbar root anomalies. [5+5]
9. Describe the pathophysiology of venous thromboembolic disease in patients with skeletal trauma. Discuss the pharmacological prophylaxis options with pros and cons of each modality. [5+5]
10. Describe the principles of Limited Contact Dynamic Compression Plating. Mention its indications, contra indications and complications. [4+2+2+2]



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Paper- II QP Code: P3182

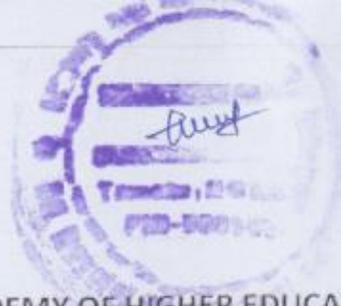
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LONG ESSAY

10 X 10 = 100

1. Classify Lateral end Clavicle fracture ? Describe various modalities of it's surgical management ?
(5+5)
2. Describe the indications, advantages and disadvantages of Darrach's procedure? (4+3+3)
3. Classify fracture Scaphoid. Describe the clinical features and management of displaced fracture Scaphoid? [2+4+4]
4. Describe the clinical features, diagnosis and management of Hemodynamically unstable patient with Pelvic injuries ? [2+2+6]
5. Classify Fracture Neck of Femur by Pauwel's? Mention the importance of it? What is Whitman technique of reduction of Fracture Neck? (3+3+4)
6. Classify Tibial plateau fractures. Describe current principles of management of Tibial plateau fractures. [3+7]
7. Describe FOUR surgical techniques in management of chronic rupture of Achilles tendon.
[2.5+2.5+2.5+2.5]
8. Describe the level of lesion, clinical presentation and prognosis of any TWO incomplete spinal cord syndromes. What is the importance of Bulbocavernous reflex in the prognosis of spinal cord injury?
[4+4+2]
9. Describe the clinical features and management of erbs palsy ?mention the signs of preganglionic brachial plexus signs? [4+4+2]
10. Describe classification, clinical features and management of lisfranc injuries. [3+4+3]



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Paper- III QP Code: P3183

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LONG ESSAY

10 X 10 = 100

1. Describe the etiology, clinical presentation, imaging in Developmental Dysplasia of hip. [3+3+4]
2. Describe etiopathogenesis, clinical features, investigations and treatment of Renal Osteodystrophy. [2+2+3+3]
3. Describe the etiology, clinical features, differential diagnoses and management of Osgood-Schlatter disease. [2+2+2+4]
4. Discuss the etiology, pathology, diagnosis and management recurrent anterior dislocation of shoulder joint. [2+2+3+3]
5. Describe the etio-pathogenesis, clinical features, differential diagnosis and management of Fibromyalgia. [2+2+2+4]
6. Briefly describe the etiology, clinical features, investigations, histopathology and treatment of adamantinoma. [2+2+2+2+2]
7. Define amputation. Describe TWO named amputations used in paediatric age group in lower limb. [2+4+4]
8. Describe a) Open chain exercise b) Closed chain exercise [5+5]
9. Describe the techniques of nerve repair with neat labelled diagrams. Explain the terms a) Nerve grafting b) Pedicle grafting c) Nerve mobilization in Peripheral nerve repair. [4+2+2+2]
10. Describe the etiology, clinical features, differential diagnosis, investigations and management of Eosinophilic Granuloma of spine. [2+2+2+2+2]



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Paper- IV QP Code: P3184

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LONG ESSAY

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1. Define Tribology? Discuss in detail about the recent advances in tribology of Total Hip arthroplasty.
(2 + 8)
2. Mention the EULAR criteria in Rheumatoid arthritis. Discuss the Recent advances in diagnosis and management of Rheumatoid arthritis. (4+6)
3. What are Bisphosphonates? Classify Bisphosphonates. Discuss the current concepts in use of Bisphosphonates in various orthopedic disorders. (2+2+6)
4. Describe the Physiology of Micturition. Briefly discuss the management of Automatic Bladder in spinal injuries.(4+6)
5. What are the various Risk factors for Achilles Tendon Rupture? Describe its pathophysiology. How do you clinically evaluate and manage an Acute Achilles Tendon Rupture? (3+2+5)
6. Define DeQuervein's disease? Discuss the clinical features and management. (3+2+5)
7. What is tarsal tunnel syndrome? Discuss Etiology, clinical features, diagnosis and treatment.
(1+2+2+2+3)
8. What is Total Hip arthroplasty? Discuss indication, contraindication, preoperative planning and complications. (2+2+2+2+2)
9. What is Total Knee replacement? Discuss indication, contraindication, preoperative planning and complications. (2+2+2+2+2)
10. Describe bernoulli principal in shoulder arthroscopy ?