

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

Post Graduate Diploma Examination - Apr/May 2019

Time : 3 Hrs

Max Marks : 100

DIPLOMA IN ORTHOPAEDICS (D.Ortho)

Paper-I QP Code: D2181

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100

1. Describe the anatomy of upper end of the Humerus and its Surgical importance. Mention the causes of Avascular Necrosis of Humerus head. [5+5]
2. Describe briefly the origin, course, relations and innervation of Deep peroneal Nerve. How do you clinically assess the peroneal nerve? Discuss the surgeries for Foot drop. [4+2+4]
3. Describe the gross and microscopic features of bone. Write a note on classification of bone based on it. [3+3+4]
4. Discuss the pathophysiology of Rheumatoid arthritis. What is rheumatoid nodule? Write the ACR diagnostic criteria. [5+5]
5. 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]
6. Describe the following: a. Watson's test b. Terry Thomas sign c. Reverse Phalens sign d. Allen's test e. Adson's test. [2+2+2+2+2]
7. What are the Clinical features of Transient Migratory Osteoporosis of Hip [TMO], Tabulate the differences between Osteonecrosis and Transient Migratory Osteoporosis. Discuss the management of TMO? [3+4+3]
8. Discuss the indications, contraindications, procedure and complications of Caudal Sacral Epidural injection. [2+2+3+3]
9. Describe the properties of Bone graft. Enumerate the different types of Bone grafts, bone graft substitutes and their incorporation. [3+2+2+3]
10. Describe the principles of Cortico-cancellous screws. Mention its indications, contra indications and complications. [4+2+2+2]

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DIPLOMA IN ORTHOPAEDICS (D.Ortho)

Paper-II

QP Code: D2182

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LONG ESSAY

10 X 10 = 100

1. Describe the mechanism of injury, clinical and radiological evaluation and management of Sterno-clavicular joint injury. [2+3+2+3]
2. Classify Radial Head fractures? Describe the management of Radial Head fractures without dislocation of Elbow? [4+6]
3. Discuss Carpal instability : types, clinical features, radiological assessment and management. [2+2+3+3]
4. Classify Pelvic fractures? Describe the indications of surgical fixation in pelvic fractures? Mention FOUR complications of Pelvic fractures? (6+2+2)
5. What are the options available for the management of fracture of Proximal third of Femur in an adolescent? Discuss the advantages and disadvantages of each method. [4+3+3]
6. What are the different surgical approaches to Knee? Describe Median parapatellar approach. [4+6]
7. Describe anatomy of Talus. Classification of fracture of Talus. Discuss the principles of its management. [3+3+4]
8. Distinguish between Spinal shock and Hypovolemic shock. Discuss the evaluation and recovery of Spinal Cord Injury at D8 vertebra level. [4+3+3]
9. Classify Supracondylar fracture of Humerus in children? Describe its clinical features, complications and management. [4+2+2+2]
10. Describe the clinical features of Slipped Capital Femoral Epiphysis. Discuss TWO radiological signs and FOUR complications of chronic Slipped Capital Femoral Epiphysis. [4+2+4]

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DIPLOMA IN ORTHOPAEDICS (D.Ortho)

Paper-III QP Code: D2183

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LONG ESSAY

10 X 10 = 100

1. Discuss the clinical, radiological findings and treatment of Congenital Vertical Talus. [2+3+5]
2. Describe the etiology, clinical features, differential diagnoses and management of Traction Epiphysitis of the fifth Metatarsal base. [2+2+2+4]
3. Describe the etio-pathogenesis, clinical features, classification and management of primary Osteoarthritis of Knee joint. [2+2+2+4]
4. Briefly describe the etiology, clinical features, investigations, histopathology and treatment of malignant vascular tumors. [2 marks each]
5. Enumerate various classical levels of lower limb amputations. Discuss above knee [AK] amputation in detail. What is the difference in energy consumption by the patient in AK amputation as compared to a below knee [BK] amputation? [3+5+2]
6. What is Recurrent dislocation of shoulder (RDS)? Describe its pathology. How do you assess and manage a patient with Anterior shoulder instability. (2+3+5)
7. Discuss briefly the Common surgical factors affecting the early outcome of total hip arthroplasty. Mention the Recent advances in the field of total hip arthroplasty(5+5)
8. Discuss about the recent advances in diagnosis of osteoarticular tuberculosis. Describe the rationale for using metallic implants in osteoarticular tuberculosis. (5+ 5)
9. What are indication and contraindication of total hip arthroplasty? Discuss design and selection of total hip components. (5+5)
10. What is revision of total knee replacement? Discuss indication, contraindication, preoperative planning and surgical approach (2+2+2+2+2)