

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Diploma Examination - May 2018

Time : 3 Hrs

Max Marks : 100

DIPLOMA IN ORTHOPAEDICS (D.Ortho)

Paper - III

Paper Code : RS-D4353

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100

1. Describe Ponseti casting technique for correction of CTEV. Discuss the advantage of this technique over Kite's method. [6+4]
2. Describe Kleer Koper scoring system for Osteoporosis. Enumerate differential diagnoses of Osteoporosis. Discuss its pharmacological management. [2+3+5]
3. Describe the etio-pathogenesis, clinical features, radiological findings and management of Psoriatic Arthropathy. [2+2+2+4]
4. Briefly describe the etiology, clinical features, investigations, histopathology and treatment of fibrous dysplasia. [2 marks each]
5. What is physiotherapy? Describe various physiotherapy modalities used in rheumatoid hand. [2+8]
6. What is Habitual Dislocation of Patella? Discuss its management. (3+7)
7. Discuss briefly Etiology of osteochondritis dissecans. Describe briefly Arthroscopic management of osteochondral lesion of knee. (5+5)
8. Discuss briefly Recent advances in the management of polytrauma patient highlighting the role of various investigative and treatment modalities. (5+5)
9. What is total hip arthroplasty? Discuss indication, contraindication, preoperative planning and complications. (2+2+2+2+2)
10. Briefly describe the relevant biomechanics of the lower limb, Discuss particularly in relation to bone cuts in total knee replacement (4 + 6)

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Paper - II

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LONG ESSAY

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1. Classify Glenoid fractures. Discuss it's management. [5+5]
2. What is 'ESSEX-LOPRESTI' Fracture Dislocation? Describe the mechanism of injury, clinical features and management of it? (4+2+2+2)
3. Classify Carpal instability? Describe the clinical features and management of Perilunar instability? [4+2+4]
4. Describe the management of Acetabular fractures? Discuss 'STOPPA' approach and it's merits. [6+4]
5. Describe Thompson and Epstein classification of Posterior Hip Dislocation. Mention different closed reduction techniques. Describe in detail about Allis and Bigelow Method? [4+3+3]
6. Classify Knee dislocation. How will you manage a case of Knee dislocation with absent Distal pulsations? [3+7]
7. Describe the classification and radiological assessment of Calcaneal fracture. Discuss the complications of Intra-articular Calcaneal fracture. [4+6]
8. Describe the mechanism of injury, classification and management of Hangman's fracture. [3+3+4]
9. Describe the mechanism, clinical features and management of Extension type of Supracondylar fracture Humerus in children? [2+4+4]
10. Define Sleeve fracture of Patella in children? Describe the clinical features, diagnosis and management of Sleeve Fracture of patella in children ? [2+4+2+2]

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Paper - I

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LONG ESSAY

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1. Describe the course of Radial Nerve along with its branches. Mention the common sites of Radial nerve injury. Differentiate between high Radial and low Radial nerve palsy. [3+3+4]
2. Describe the intracapsular structures of the Knee joint. Discuss the mechanism of locking and unlocking of the Knee joint. [4+3+3]
3. Discuss the etiopathogenesis of Deep vein thrombosis. How do you diagnose and manage? [3+3+4]
4. Define Osteomyelitis. Classify Osteomyelitis. Write in detail of pathophysiology and management of tuberculous Osteomyelitis. [2+3+2+3]
5. Define Osteoporosis? Describe the clinical and radiological features of it. Discuss the role of Bisphosphonates in Orthopaedics. [2+2+2+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 the Biomechanics of Hip. Discuss Trendelenberg sign. [6+4]
8. Describe the clinical features and management of Cervical Disc Prolapse at the level of C4-C5. [5+5]
9. What is Round cell tumour? Mention it's differential diagnosis. Discuss the clinical features and management of Ewing's sarcoma. [2+2+3+3]
10. Describe the principles of Locking Compression Plate. Differentiate Locking Compression Plate from Dynamic Compression Plate. [4+6]