

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

Post Graduate Diploma Examination – April / May 2011

Time : 3 Hrs.

[Max. Marks : 100]

DIPLOMA IN ORTHOPEDICS (D.ORTHO)

PAPER - I

Q.P CODE : D4351

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



LONG ESSAY

2 X 20 = 40 Marks

1. Describe the bone homeostasis. Classify and discuss the cause for Osteoporosis.
Add a note on role of Bisphosphonates in the management of Osteoporosis.
2. Describe the normal gait cycle. Describe quadriceps gait and Trendelenburg gait.

SHORT ESSAY

6X 10 = 60 Marks

3. Bone graft substitutes.
4. Ankle foot orthosis
5. Universal precautions for surgery of a HIV patient.
6. Clinical tests for diagnosis of anterior cruciate Ligament injury of the knee.
7. Diagnostic ultrasound in orthopaedics.
8. An ideal amputation stump

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DIPLOMA IN ORTHOPEDICS (D.ORTHO)

PAPER - II

Q.P CODE : D4352

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Draw neat labeled diagrams wherever necessary. Answer all questions



LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the pathophysiology, clinical features and management of compartment syndrome of the leg following a closed metaphyseal fracture of the proximal tibia.
2. Classify supracondylar fractures of the humerus in children and discuss the clinical features, management and complications of a displaced supracondylar fracture in a 10 year old child.

SHORT ESSAY

6X 10 = 60 Marks

3. Stress Fractures
4. Painful arc syndrome
5. Locked plating
6. Madelung's deformity
7. Floating knee
8. Neurogenic bladder

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DIPLOMA IN ORTHOPEDICS (D.ORTH)

PAPER - III

Q.P CODE : D4353



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Draw neat labelled diagrams wherever necessary. Answer all questions*

LONG ESSAY

2 X 20 = 40 Marks

1. Write briefly about below knee amputations and prosthetic fitting
2. Write in detail about tuberculosis of spine with paraparesis and management.

SHORT ESSAY

6X 10 = 60 Marks

3. Bone Cement
4. Biologics in orthopaedics
5. Stem cells and applications in orthopaedic surgery
6. Platelet enriched plasma
7. Nerve conduction study
8. Flat feet
