

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

**(A DEEMED TO BE UNIVERSITY)**

**Post Graduate Degree Examination – November - 2016**

**Time : 3 Hrs.**

**[Max. Marks : 100]**

**M.S ORTHOPAEDICS**

**PAPER – I**

**Q.P Code : RS 4301**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Describe the pathophysiology of fat embolism.
2. Describe the structure of articular cartilage.
3. Arches of the foot.
4. Suture materials.
5. Zoledronic acid.
6. MDR tuberculosis.
7. Hyperparathyroidism.
8. Sterilization of orthopaedic implants and instruments.
9. Nerve conduction studies.
10. Blood supply of talus.

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**M.S. ORTHOPAEDICS**

**PAPER - II**

**Q.P Code : RS-4302**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Atlanto axial injuries.
2. Putti platt operation.
3. Discuss primary bone healing.
4. Functional cast bracing.
5. Tendo achillis rupture.
6. Foot drop and management.
7. Management of fracture neck femur in a 30 year old patient.
8. Tourniquet palsy.
9. Acute respiratory distress syndrome.
10. Flail chest.

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**PAPER - III**

**Q.P Code : RS-4303**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**10X 10 = 100 Marks**

1. Describe etiopathogenesis, clinical features, investigation, deferential diagnosis and management of Perthe's disease.
2. Discuss the investigations and management of isolated vertebral collapse in a 50 year old male.
3. Variations of osteosarcoma.
4. Spina bifida.
5. Leg length equalization.
6. Obers test.
7. Pigmented villonodular synovitis.
8. Alkaptonuria.
9. Osteoid osteoma.
10. Hallux valgus.

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**M.S. ORTHOPAEDICS**

**PAPER - IV**

**Q.P Code : RS-4304**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Biochemical markers in bone formation and resorption.
2. Floor Reaction Orthosis (FRO).
3. Mega prosthesis.
4. Chondroplasty.
5. Bisphosphates.
6. Radiological evaluation of developmental dysplasia of Hip.
7. Minimally Invasive Plate Osteo Synthesis (MIPO).
8. Ceramics in Orthopaedics.
9. Spinal fusion techniques.
10. Biodegradable implants.

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