

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – November - 2013

Time : 3 Hrs.

[Max. Marks : 100]

M.S ORTHOPAEDICS

PAPER - I

Q.P Code : 4301

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

LONG ESSAY

2 X 20 = 40 Marks

1. Describe fracture healing in detail. Discuss the factors affecting fracture healing. What is the effect of piezoelectricity on fracture healing?
2. Describe the anatomy of knee joint. Discuss the biomechanics of the normal knee.

SHORT ESSAY

6 X 10 = 60 Marks

3. Hyaline cartilage.
4. Klippel feil syndrome.
5. PMMA cement.
6. Alendronate induced fractures.
7. Diagnosis and treatment of osteomalacia.
8. Tourniquet in orthopaedics.

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M.S ORTHOPAEDICS

PAPER - II

Q.P Code : 4302

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

2 X 20 = 40 Marks

1. Classify open fractures. Discuss management of type-III compound fracture of tibia.
2. Classify the thoracolumbar spinal injuries and management of traumatic paraplegia due to fracture of T₉ vertebra.

SHORT ESSAY

6 X 10 = 60 Marks

3. Scaphoid fracture.
4. Acromioclavicular dislocation.
5. Flail chest.
6. Classify shoulder dislocation and management of anterior dislocation.
7. Post traumatic osteodystrophy.
8. Biceps brachii tendon rupture in an athlete.

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M.S ORTHOPAEDICS

PAPER - III

Q.P Code : 4303

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LONG ESSAY

2 X 20 = 40 Marks

1. Enumerate lytic lesions of bone and management of osteoclastoma.
2. Discuss etiopathology, clinical features and management of TB HIP.

SHORT ESSAY

6 X 10 = 60 Marks

3. Cervical RIB.
4. Fluorosis.
5. Keinboch's Disease.
6. Hallux Valgus.
7. Synovial Chondromatosis.
8. Spondylolisthesis.

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M.S ORTHOPAEDICS

PAPER - IV

Q.P Code : 4304

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

2 X 20 = 40 Marks

1. Discuss the indications and advantages of locked compression plates.
Add a note on disadvantages of relative stability.
2. Discuss the recent advances in diagnostic ultrasound in Orthopaedic surgery.

SHORT ESSAY

6 X 10 = 60 Marks

3. Single Vs Double bundle ACL reconstruction.
4. Fixed bearing Vs rotating platform in total knee replacement.
5. Single row Vs double row suturing in rotator cuff repair.
6. Current status of metal on metal bearing in total hip replacement.
7. BMP.
8. Advantages of navigation in total knee replacement.

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