Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- I
(Revised Scheme)
Q. P. CODE: 8261

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss Calcium metabolism in human body. Mention the clinical features, investigations and treatment of Rickets.

2. Describe the blood supply of head of femur. Mention the trabecular pattern and grading of osteoporosis in the proximal femur.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Synovial plicae

4. Wallerian degeneration

5. Growth plate

6. Rheumatoid Factor

7. 316 L stainless steel

8. C reactive protein

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- II
(Revised Scheme)
Q. P. CODE: 8262

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the management of flexor tendon injury of index finger involving both profundus and sublimis tendons in the no mans land.

2. Classify inter trochanteric fractures.

   Discuss the management of intertrochanteric fracture in a 75 year old patient with respect to timing of surgery and the implant used for treatment. What are the complications?

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Dynamization of an external fixator

4. Injury severity score

5. Timing of internal fixation of closed fracture shaft of femur in a young adult

6. Tension band wiring

7. Coraco acromial ligament

8. Prevention of deep vein thrombosis

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- III
(Revised Scheme)
Q. P. CODE: 8263

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

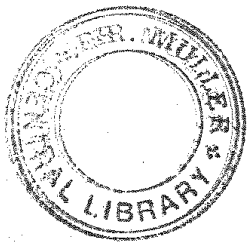
LONG ESSAYS **2 x 20 = 40 Marks**

1. Describe the pathological anatomy of congenital clubfoot.
   What are the causes of recurrent clubfoot? How will you treat a case of recurrent clubfoot in child aged 5 years?

2. Enumerate the indications for surgery in D10-D11 tuberculosis of spine. Discuss the various operative options and techniques.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Pseudo gout
4. Lambrinudis operation
5. Anteversion of femoral neck in DDH
6. Neoadjuvant chemotherapy
7. Calcinosis cutis
8. Dead arm syndrome



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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- IV
(Revised Scheme)
Q. P. CODE: 8264

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

2 x 20 = 40 Marks

LONG ESSAYS

1. Outline the causes of loosening of the components of total hip replacement and discuss the management.
2. Discuss the principles of locking compression plate fixation. Enumerate the indications and complications.

6 x 10 = 60 Marks

SHORT ESSAYS

3. Bioabsorable screws
4. Arthroscopic lateral retinacualr release
5. Bone Bank.
6. Navigation in joint replacement surgery
7. Gender specific knee replacement
8. Double bundle ACL reconstruction

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- I
(Revised Scheme)
Q. P. CODE: 8261

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. Describe the bone homeostasis. Classify and discuss the causes for Osteoporosis. Add a note on role of Bisphosphonates in the management of Osteoporosis.

2. Describe the normal gait cycle. Describe Quadriceps gait & Trendelenburg gait.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Ankle Foot Orthosis
4. Universal precautions for surgery of a HIV patient
5. Clinical tests for diagnosis of rotator cuff tear in the shoulder
6. Diagnostic ultrasound in Orthopaedics
7. Ulnar paradox
8. Mechanical properties of titanium vs stainless steel in orthopaedic implant

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- II
(Revised Scheme)
Q. P. CODE: 8262

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the management of a patient with communited fracture of tibial plateau with compartment syndrome.
2. Classify dislocations around the elbow and discuss the management of complex dislocations of elbow.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Management of 4 part fracture dislocations of shoulder in young adult.
4. Rehabilitation of a patient after ACL reconstruction
5. Game keepers thumb
6. Monteggia fracture variebts
7. 3 column theory in distal radial fractures
8. Merits and demerits of Gardens classification for fracture neck of femur.

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- III
(Revised Scheme)
Q. P. CODE: 8263

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. How would you evaluate and manage a case of infective non union of the tibia with interlocking intramedullary nail insitu in a 42 year old male.
2. Classify scoliosis.

   Discuss the principles of management of idiopathic scoliosis in a young girl of 16years old.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Triangular fibro cartilage tear
4. Ponseti techniques in CTEV correction
5. Uncemented cup in total hip replacement
6. Tendon transfer in low radial nerve palsy
7. Recent trends in the management of chondromalacia patella.
8. Glomus tumor

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

Time: Three Hours **Max. Marks: 100 Marks**

MS Orthopaedics PAPER- IV
(Revised Scheme)
Q. P. CODE: 8264

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the recent advances in the management of osteosarcoma of lower end of femur in 18 years old boy.
2. Discuss the management of PCL and Posterolateral corner injury in a football player.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. TEN nails
4. MRSA in orthopaedics
5. Demerits of AO classification of distal humerus fractures
6. Reverse shoulder replacement arthroplasty.
7. Surgery in Chronic AC joint dislocation
8. Oxenium knee

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