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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2009

[Time: 3 Hours] [Max. Marks: 100]

ORTHOPAEDICS

PAPER I

(Revised Scheme)

Q.P. CODE : 8261

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 anatomy of epiphyseal growth plate and discuss the clinical significance of growth plate
2. Discuss the body mechanism of serum calcium level regulation with special reference to the role of Vit. D

SHORT ESSAY **6 X 10 = 60 Marks**

3. Biomechanics of gait
4. The Cauda Euqina
5. Complex regional pain syndrome
6. Osteoclast
7. Alkaline phosphatase
8. Pseudo paralysis of scurvy

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2009

[Time: 3 Hours] [Max. Marks: 100]

ORTHOPAEDICS

PAPER II

(Revised Scheme)

Q.P. CODE : 8262

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. Discuss the pathoanatomy and surgical aspects in the management of gleno humeral instability

2. Discuss the blood supply, classification and management of fracture scaphoid

SHORT ESSAY **6 X 10 = 60 Marks**

3. Biological osteosynthesis
4. Skin flaps in trauma surgery
5. Barton's fracture
6. ARDS
7. Nerve repair
8. Medial meniscal injury

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2009

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ORTHOPAEDICS

PAPER III

(Revised Scheme)

Q.P. CODE: 8263

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 aetiopathology of scoliosis. Discuss the current concepts in management of adolescent idiopathic scoliosis
2. Discuss the orthopaedic pathology of rheumatoid arthritis and outline the principles and methods of management of ulnar drift, in the hand

SHORT ESSAY **6 X 10 = 60 Marks**

3. Neuropathic joint
4. Tourniquet palsy
5. Osteogenesis imperfecta
6. Spina ventosa
7. Entrapment syndrome
8. Tennis elbow

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination – May 2009

[Time: 3 Hours] [Max. Marks: 100]

ORTHOPAEDICS

PAPER IV

(Revised Scheme)

Q.P. CODE: 8264

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 structure of the articular cartilage and describe the histopathological changes seen in osteoarthrosis. Outline the management of a 50 year old female patient with osetoarthrosis of the knee joint

2. What are the different methods of fixation of prostheses to the skeleton? Discuss their advantages and their limitations. What are the radiological features of aseptic loosening a prosthesis?

SHORT ESSAY **6 X 10 = 60 Marks**

3. Describe briefly the orthopaedic manifestations of neurofibromatosis

4. Discuss the role of calcitonin in orthopaedic practice

5. Discuss the role of ceramics in orthopaedics

6. What is Dupuytren's contracture? Discuss its clinical features and management

7. Describe briefly the screening tests done in developmental dysplasia of the hip (DDH). Discuss their significance

8. Write a short essay on bone bank

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