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MANIPAL UNIVERSITY

PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2017

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO SPECIALITY

Monday, April 03, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Describe the blood supply of adult neck of femur. Discuss the management of fracture neck of femur in young adults.

(15 marks)

2. Discuss the management of Epiphyseal injury and its complications.

(15 marks)

3. **Write short notes on:**

3A. Synovial fluid

3B. Nerve conduction study

3C. Plaster of Paris

3D. Antigliding plating

3E. Ideal stump in amputation

3F. DMARD therapy in rheumatoid arthritis

3G. Bone cement

3H. Osteochondritis desiccans

3I. Congenital scoliosis

3J. Trigger thumb

(7 marks × 10 = 70 marks)



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MANIPAL UNIVERSITY

PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2017

SUBJECT: PAPER III: ORTHOPAEDIC DISEASES

Wednesday, April 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Discuss the clinical presentation in a case of Osteosarcoma. Describe the investigations and principles of management in a 12 year old child with distal end femur lesion.

(15 marks)

2. Describe the pathological anatomy seen in DDH. What are the various presentations of patients in different age groups with this condition? What are the principles of management in a 26 year old male with neglected DDH?

(15 marks)

3. **Write short notes on:**

3A. Classification of chronic osteomyelitis

3B. Vacuum assisted dressing

3C. Opponensplasty

3D. Wrist arthrodesis

3E. Deformities seen in Rheumatoid hand

3F. Management of lumbar canal stenosis

3G. Cervical rib

3H. Normal MRI anatomy of knee

3I. Criteria for diagnosing ankylosing spondylitis

3J. Classification of Radial club hand

(7 marks × 10 = 70 marks)



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MANIPAL UNIVERSITY

PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2017

SUBJECT: PAPER II: TRAUMATOLOGY AND REHABILITATION

Tuesday, April 04, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Classify proximal humerus fractures. Discuss various management options and complications of proximal humerus fracture.

(15 marks)

2. Discuss the classification, clinical features, investigations and various treatment options in proximal tibia fractures.

(15 marks)

3. **Write short notes on:**

3A. Treatment options in brachial plexus injuries

3B. Talar neck fracture

3C. Classification and treatment options in fracture of lateral end of clavicle

3D. Reflex sympathetic dystrophy

3E. March Fracture

3F. Hand injury severity score

3G. Clinical diagnosis and management of chronic Posterolateral corner instability of knee

3H. Flail chest

3I. Clinical application of radiological classification of cervical spine fracture

3J. Gas gangrene

(7 marks × 10 = 70 marks)

