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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – JULY 2005

SUBJECT: PAPER I: BASIC SCIENCES

Monday, July 04, 2005

Time: 3 Hrs.

Max. Marks: 100

✍ Answer all questions. All questions carry equal marks.

1. Describe the course and relations of the ulnar nerve. Discuss the clinical features, diagnosis and management of an ulnar nerve palsy in Hansen's disease.

2. Describe the characteristics of normal synovial fluid. What are the clinical features and differential diagnosis of haemophilic arthritis? Describe the management of haemophilic arthritis.

3. Write short notes on:
 - 3A. Anatomy of anterior and posterior cruciate ligaments of knee.
 - 3B. Petit's triangle.
 - 3C. Ollier's disease.

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – JULY 2005

SUBJECT: PAPER II: TRAUMATOLOGY

Tuesday, July 05, 2005

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL questions. All questions carry equal marks.**

1. Classify fractures of the calcaneum. Discuss the principles of management of calcaneal fractures. What are the complications of calcaneal fractures and how would you manage them?

2. How will you investigate and treat a case of acute compartment syndrome of the lower limb?

3. Write short notes on:
 - 3A. Complications of fracture neck of femur in children and their management.
 - 3B. Sudeck's osteodystrophy.
 - 3C. Stress shielding.

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MANIPAL ACADEMY OF HIGHER EDUCATION

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DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – JULY 2005

SUBJECT: PAPER III: COLD ORTHOPAEDICS

Wednesday, July 06, 2005

Time: 3 Hrs.

Max. Marks: 100

✍ Answer all questions. All questions carry equal marks.

1. Discuss the current concepts and management of recurrent dislocation of the patella.

2. Define osteomyelitis. Discuss the aetiology, pathology, clinical manifestations and management of acute osteomyelitis of lower end of femur in a child aged 8 years. Enumerate the complications of acute osteomyelitis.

3. Write short notes on:
 - 3A. Foot drop.
 - 3B. Keinbock's disease.
 - 3C. Trendelenburg sign.

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – DECEMBER 2005

SUBJECT: PAPER I: BASIC SCIENCES

Monday, December 05, 2005

Time: 3 Hrs.

Max. Marks: 100

All questions carry equal marks.

1. Describe the anatomy of rotator cuff. Discuss its role in shoulder stability.

2. Discuss the pathophysiology seen in fat embolism syndrome. What are the clinical features of fat embolism? How would you manage a case of fat embolism syndrome?

3. Write short notes on:
 - 3A. Cervical rib.
 - 3B. Gross and microscopic features of giant cell tumour.
 - 3C. Blount's disease.

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – DECEMBER 2005

SUBJECT: PAPER II: TRAUMATOLOGY

Tuesday, December 06, 2005

Time: 3 Hrs.

Max. Marks: 100

✍ **All questions carry equal marks.**

1. What are the types of fracture pelvis? Outline the principles of management of pelvic fractures. What are the complications?

2. Discuss in brief the important anatomical features of the talus in relation to talus fractures. Classify fracture neck of talus and discuss the management.

3. Write short notes on:
 - 3A. Barton's fracture.
 - 3B. Pulled elbow.
 - 3C. Nonunion scaphoid.

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MANIPAL ACADEMY OF HIGHER EDUCATION

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DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – DECEMBER 2005

SUBJECT: PAPER III: COLD ORTHOPAEDICS

Wednesday, December 07, 2005

Time: 3 Hrs.

Max. Marks: 100

✍ **All questions carry equal marks.**

1. Discuss the clinical and radiological features of giant cell tumour. How would you manage a case of giant cell tumour involving the lower end of the radius?

2. Discuss the aetiology and pathology of slipped capital femoral epiphysis. Describe its management at different stages.

3. Write short notes on:
 - 3A. Synovial chondromatosis.
 - 3B. Strength duration curve.
 - 3C. Spinal ventosa.