

MANIPAL UNIVERSITY**PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2013**
SUBJECT: PAPER I: BASIC SCIENCES RELATED TO SPECIALITY

Tuesday, April 02, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions.

1. Describe the anatomy and structure of the lumbar intervertebral disc. Outline the various changes seen in the lumbar intervertebral disc with age. How would you manage a case of cervical spondylosis with radiculopathy?
(10+10+15 = 35 marks)
2. Describe fracture healing. Outline the factors which affect fracture healing. Discuss the radiological classification of non-union and its relevance in management.
(10+10+15 = 35 marks)
3. **Write short notes on:**
 - 3A. Radiological and histological appearance of giant cell tumor of the bone
 - 3B. Anatomy of the anterior cruciate ligament
 - 3C. Antibiotic prophylaxis in orthopaedics

(10×3 = 30 marks)



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PG DIPLOMA IN OTORHINOLARYNGOLOGY (DLO) EXAMINATION – APRIL 2013

SUBJECT: PAPER II: OTO-RHINOLARYNOGOLOGY AND NEURO-OTOLOGY

Wednesday, April 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

1. Discuss the technique, indications and complications of Cochlear Implant.

(20 marks)

2. **Write short notes on:**

2A. Barotrauma

2B. Keratosis obturans

2C. Tinnitus

2D. Le forte's fractures

2E. Young's operation

2F. Rhinoscleroma

2G. Endoscopic D.C.R.

2H. Management of epistaxis

(10×8 = 80 marks)



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PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2013

SUBJECT: PAPER III: ORTHOPAEDIC DISEASES

Thursday, April 04, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer all questions.

1. Discuss the aetiology and pathology of slipped capital femoral epiphysis. How would you establish the diagnosis? Discuss the management of slipped capital femoral epiphysis in a 13 year old boy.

(10+10+15 = 35 marks)

2. Discuss the differential diagnosis and management of a fifty year old woman with a pathological lesion in D-10 vertebra.

(10+25 = 35 marks)

3. **Write short notes on:**

3A. Bone cement

3B. Blount's disease

3C. Crooked and elongated heel (C & E heel)

(10×3 = 30 marks)

