

Reg. No.

# MANIPAL UNIVERSITY

PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2014

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO SPECIALITY

Tuesday, April 01, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions.

Health Sciences Library

1. Describe the anatomy of the thoracic outlet. What are the various types of thoracic outlet syndromes? How would you manage a patient with cervical rib?  
(15+10+10 = 35 marks)
2. Describe fracture healing in cortical and cancellous bones. Discuss the causes and management of non-union of the tibia.  
(15+20 = 35 marks)
3. Write short notes on:
  - 3A. Ortolani's test
  - 3B. Heterotrophic ossification
  - 3C. Neurogenic claudication(10×3 = 30 marks)



**MANIPAL UNIVERSITY****PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2014****SUBJECT: PAPER II: TRAUMATOLOGY AND REHABILITATION**

Wednesday, April 02, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.****Health Sciences Library**

1. Classify traumatic dislocation of the hip. Describe the clinical and radiological features of posterior dislocation of the hip in an adult. Discuss its management and enumerate the complications.  
(10+10+15 = 35 marks)
2. Describe the applied anatomy of the shoulder joint. Discuss the clinical features and management of recurrent dislocation of the shoulder joint.  
(15+20 = 35 marks)
3. **Write short notes on:**
  - 3A. Medial epicondylar fracture of humerus
  - 3B. Tibial interlocking nails
  - 3C. Maisonneuve fracture  
(10×3 = 30 marks)



**MANIPAL UNIVERSITY****PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2014****SUBJECT: PAPER III: ORTHOPAEDIC DISEASES**

Thursday, April 03, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

Health Sciences Library

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

(15+20 = 35 marks)

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

(15+20 = 35 marks)

3. **Write short notes on:**

- 3A. Synovial chondromatosis  
3B. Brodie's abscess  
3C. Spina Ventosa

(10×3 = 30 marks)

