

## MANIPAL UNIVERSITY

## MS (ORTHOPAEDICS) DEGREE 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 the questions.

Health Sciences Library

✍ Long Essays.

1. Discuss Calcium metabolism. How will you investigate a patient with Osteoporosis?  
(15 marks)

2. Discuss the anatomy of the arches of foot. Classify flat foot and discuss the management in a 2 year old child.  
(15 marks)

3. Write short notes on:

3A. Compound Palmar ganglion

3B. Ochronosis

3C. MRSA (Methicillin Resistant Staphylococcus Aureus)

3D. Petit's triangle

3E. Orthopedic manifestations of Neurofibromatosis

3F. Bohler- Braun frame

3G. Anteversion of femur

3H. Thomas test

3I. Vitamin C

3J. Stress shielding

(7×10 = 70 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

# MANIPAL UNIVERSITY

## MS (ORTHOPAEDICS) DEGREE 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

✍ Long Essays:

1. Describe various Knee injuries that a Footballer is likely to sustain. Discuss the management of Anterior Cruciate Ligament Injury.

(15 marks)

2. Pathoanatomy and Current concepts of Management of fractures at the lower end of Radius.

(15 marks)

3. Write short notes on:

3A. Locking Compression Plate

3B. Nerve Repair Techniques

3C. Post Operative Analgesia

3D. Jefferson's Fracture

3E. Gamekeeper's Thumb

3F. Bed Sores

3G. Flail Chest

3H. Blood Supply of Scaphoid

3I. Callotasis

3J. Hoffa's Fracture

(7×10 = 70 marks)



**MANIPAL UNIVERSITY****MS (ORTHOPAEDICS) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER III: ORTHOPAEDIC DISEASES**

Thursday, April 03, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

**Health Sciences Library**

✍ **Long Essays.**

1. Discuss the current concepts in management of recurrent dislocation of patella. (15 marks)

2. Describe the pathogenesis and stages of tuberculous hip. How will you manage each stage in a young individual? (15 marks)

**3. Write short notes on:**

- 3A. Aseptic loosening of total arthroplasty
- 3B. Bioabsorbable Implants
- 3C. Swan Neck Deformity
- 3D. PTB Cast (Patellar Tendon Bearing)
- 3E. Clinical features of Cervical Rib
- 3F. Osteosarcoma – Management
- 3G. Trendelenburg's gait
- 3H. Clinical tests for Anterior Cruciate Ligament Injury
- 3I. Metatarsus adductus
- 3J. Wrist Drop

(7×10 = 70 marks)

