

Reg. No.

MANIPAL UNIVERSITY

MS (ORTHOPAEDICS) DEGREE 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 the questions.

1. Describe the anatomy of the brachial plexus. How would you investigate and manage a case of acute brachial plexus injury?

(30 marks)

2. What are the imaging techniques in the diagnosis of backache? How does the plain radiograph help in diagnosis of causes of backache?

(30 marks)

3. Write short notes on:

3A. Types of knee joints used with an above knee caliper

3B. Tourniquet

3C. Zancolli's capsulorrhaphy

3D. Staphylococcus epidermidis and Staphylococcus aureus infection in orthopaedics

(10×4 = 40 marks)



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

MANIPAL UNIVERSITY

MS (ORTHOPAEDICS) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER II: TRAUMATOLOGY AND REHABILITATION

Wednesday, April 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

1. A 45 year old man presents with fracture neck of femur of one month duration. Discuss the principles of management of this patient.

(30 marks)

2. Describe the blood supply of scaphoid. Classify scaphoid fractures. How will you manage a case of scaphoid fracture with non-union?

(30 marks)

3. **Write short notes on:**

3A. Flail chest

3B. Osteochondral fractures

3C. Plastic bowing of the forearm

3D. Seat belt injuries

(10×4 = 40 marks)



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

MANIPAL UNIVERSITY

MS (ORTHOPAEDICS) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER III: ORTHOPAEDIC DISEASES

Thursday, April 04, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Discuss the diagnostic criteria for tuberculosis of bones and joints. How would you manage a case of tuberculosis of the thoraco-lumbar spine with paraplegia?

(30 marks)

2. Discuss the aetiology and course of Perthes' disease. How would you assess the prognosis? Discuss the management of Perthes' disease in a 10 year old child.

(30 marks)

3. **Write short notes on:**

3A. Looser's zone

3B. Isotope scan

3C. Pigmented villonodular synovitis

3D. Swan neck deformity

(10×4 = 40 marks)



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

MANIPAL UNIVERSITY

MS (ORTHOPAEDICS) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER IV: RECENT ADVANCES IN ORTHOPAEDIC SURGERY

Friday, April 05, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Discuss the aetio-pathogenesis of DDH. Discuss the role of ultrasound in the management of DDH in infants. How will you manage a case of DDH in 1 year old child?

(30 marks)

2. Discuss the management of postoperative infection following joint surgery.

(30 marks)

3. **Write short notes on:**

3A. Lumbar micro-discectomy

3B. Bone cement

3C. Transcutaneous Electrical Nerve Stimulation

3D. Portals in knee arthroscopy

(10×4 = 40 marks)

