✍ **Answer ALL questions.**

1. Discuss the patho-physiology of acute respiratory distress syndrome (ARDS). How will you treat a case of fracture femur with ARDS in a young adult.

(15+20 = 35 marks)

2. Describe the anatomy and blood supply of scaphoid. Classify fractures of the scaphoid. Discuss how you will manage a case of fracture scaphoid with non-union.

(10+10+15 = 35 marks)

3. Write short notes on:

3A. Callotasis

3B. Wolf's law

3C. Hamilton Russel traction

(10×3 = 30 marks)

MANIPAL UNIVERSITY

DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2012

SUBJECT: PAPER II: TRAUMATOLOGY AND REHABILITATION

Tuesday, April 03, 2012

Time: 14:00 – 17:00 Hrs.　　　　　　　　　　　　　　　　Max. Marks: 100

✍　Answer all questions.

1.　Classify fractures of the pelvis. What are the complications and discuss their management?

(10+10+15 = 35 marks)

2.　Discuss the classification and management of Montaggia fracture.

(15+20 = 35 marks)

3.　Write short notes on:

3A.　Interlocking nails

3B.　Tension band wiring

3C.　Chopart's fracture dislocation

(10×3 = 30 marks)

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MANIPAL UNIVERSITY

DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2012

SUBJECT: PAPER III: ORTHOPAEDIC DISEASES

Wednesday, April 04, 2012

Time: 14:00 – 17:00 Hrs.   Max. Marks: 100

✍ **Answer all questions.**

1. Classify primary malignant bone tumors. Discuss the clinical and radiological features of Osteosarcoma. How will you manage a case of osteosarcoma of the lower end of femur in a 16 year old boy?

(10+10+15 = 35 marks)

2. Discuss the pathology in tuberculosis of the spine with paraplegia. How will you manage a case of tuberculosis of the spine at D 8 – D 9 level with paraplegia?

(15+20 = 35 marks)

3. Write short notes on:

3A. Syndactyly

3B. Triple arthrodesis

3C. Quadriceps contracture

(10×3 = 30 marks)

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