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MANIPAL ACADEMY OF HIGHER EDUCATION
PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2019
SUBJECT: PAPER I: BASIC SCIENCES RELATED TO SPECIALITY

Tuesday, April 02, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Describe the anatomy of brachial plexus. Discuss the management of acute upper trunk brachial plexus injury in 30 y old male. Note on use of nerve glue in nerve repairs?
(15 marks)

2. Discuss the blood supply, classification and management of neck of femur fractures. Note on non union neck of femur fracture.
(15 marks)

3. **Write short notes on:**

- 3A. Vaccum assisted dressing [VAC]
- 3B. Posterior approach to hip
- 3C. Blood supply of scaphoid
- 3D. Golden hour in orthopaedics
- 3E. Bisphosphonates
- 3F. Thomas splint
- 3G. Nerve conduction study
- 3H. Tinel sign
- 3I. Arches of foot
- 3J. Pulleys of hand

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2019
SUBJECT: PAPER II: TRAUMATOLOGY AND REHABILITATION

Wednesday, April 03, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Discuss about diagnosis of compartment syndrome. How to manage a tibial shaft fracture with compartment syndrome?

(15 marks)

2. Discuss the principles of management of burst fractures of spine.

(15 marks)

3. Write short notes on:

3A. Barton's fracture

3B. Dislocation of carpometacarpal joint

3C. Fracture neck of talus

3D. Tension band wiring

3E. Lisfranc's fracture dislocation

3F. Early total care

3G. Bone graft substitutes

3H. Crutch walking

3I. Floating shoulder injuries

3J. Acromioclavicular joint dislocation

(7 marks × 10 = 70 marks)



Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
PG DIPLOMA IN ORTHOPAEDICS (D.ORTHO) EXAMINATION – APRIL 2019
SUBJECT: PAPER III: ORTHOPAEDIC DISEASES

Thursday, April 04, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Pathoanatomy of club foot and discuss steps in ponseti method of treatment. (15 marks)
2. Describe etiology pathology and stages and management of tuberculosis of hip. (15 marks)

3. **Short notes:**

- 3A. Infective non union
- 3B. Osteochondritis dissecans
- 3C. Salter's osteotomy
- 3D. Skeletal metastasis
- 3E. Recurrent dislocation of patella
- 3F. Myositis ossificans
- 3G. Dupuytren's contracture
- 3H. Scheurman's disease
- 3I. Management of AVN based on femoral head
- 3J. Hallux valgus

(7 marks × 10 = 70 marks)

