

Roll No.

D-16

**P. G. Diploma in Orthopaedics
EXAMINATION, April/May, 2009**

Paper First

BASIC SCIENCES

Time : Three Hours]

[Maximum Marks : 100

Note : All questions are essential.

1. Describe blood supply of femoral head. What are Head-at-Risk signs in Perthes disease ? 20
2. Describe biomechanics of hip joint. 20
3. Describe pathology of acute hematogenous osteomyelitis. What are the principles of management of chronic pyogenic osteomyelitis ? 20
4. Write short notes on the following : 40
 - (i) Metabolic profile of primary hyperparathyroidism
 - (ii) Limb salvage principles in tumor surgery
 - (iii) Tension Band Principle
 - (iv) α -ray finding in club foot

Roll No.

D-17

**P. G. Diploma in Orthopaedics
EXAMINATION, April/May, 2009**

Paper Second

Time : Three Hours]

[Maximum Marks : 100

Note : Answer all questions.

1. Enumerate the causes of pathological fractures. Give examples of various modalities of treatment in patients with pathological fractures due to metastatic bone disease. 20
2. Discuss the etiopathogenesis, clinical features and management of septic arthritis HIA in a 9 years old child. 20
3. Differentiate between the following : 30
 - (i) Reamed and unreamed intramedullary nailing
 - (ii) Cauda equina and conus medularis syndrome
 - (iii) Brodies abscess and osteoid osteoma
4. Write short notes on the following : 30
 - (i) Biodegradable Implants
 - (ii) Electrical properties of Bone
 - (iii) High Tibial Osteotomy

Roll No.

D-18

**P. G. Diploma in Orthopaedics EXAMINATION,
April/May, 2009**

Paper Third

**DISEASES ALONG WITH PATHOLOGY AND
MANAGEMENT**

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. A 5 years old child comes with pain and tenderness in upper part of right leg. He also has fever of 102°F. Discuss the differential diagnosis, investigation and management of the case. 30
2. Discuss the etiopathology and management of avascular necrosis of head of femur. 20
3. Write short notes on the following : 10 each
 - (i) Ulnar nerve palsy
 - (ii) GCT
 - (iii) Rickets
 - (iv) Osteoporosis
 - (v) LCP

**P.G. Diploma in Orthopaedics
Examination, April, 2010**

**Paper One
BASIC SCIENCES**

Time: Three Hours

Maximum Marks: 100

Note: Attempt all questions.

1. Describe the anatomic course of the radial nerve and the posterior interosseous nerve and discuss the clinical features of high radial nerve palsy 20
2. Define amputation. Enumerate the indications for amputations. Describe the surgical principles of amputations and its complications 20
3. Describe the etiopathogenesis, clinical features and management of tuberculosis of the hip joint 20
4. Write short notes of 10 each
 - a. Reflex sympathetic dystrophy and its management
 - b. Renal rickets
 - c. Enchondral ossification
 - d. Unicameral bone cyst

**P.G. Diploma in Orthopaedics
Examination, April, 2010**

**Paper Two
FRACTURES THEIR COMPLICATIONS AND MANAGEMENT, PHYSICAL
MEDICINE AND REHABILITATION**

Time: Three Hours

Maximum Marks: 100

Note: Attempt all questions.

- | | | |
|---|--|----|
| 1 | Classify compound fractures. Describe the management of the compound fracture of the leg in a 25 year old. | 20 |
| 2 | Describe in short: | |
| | a. Management (including rehabilitation) of a below knee amputee | 15 |
| | b. Spinal orthoses | 15 |
| 3 | Classify: | |
| | a. Pelvi-Acetabular Fractures | 10 |
| | b. Proximal Tibial Fractures | 10 |
| | c. Upper Femoral Fractures | 10 |
| 4 | Write short notes on: | |
| | a. Emergency management of multiple injured patients | 10 |
| | b. Spinal Injured Patient and its long term rehabilitation | 10 |

**P.G. Diploma in Orthopaedics
Examination, April, 2010**

**Paper Three
DISEASES ALONG WITH PATHOLOGY AND MANAGEMENT**

Time: Three Hours

Maximum Marks: 100

Note: Attempt all questions.

- | | | |
|---|--|----|
| 1 | Discuss the aetiopathogenesis., differential diagnosis and principles of management of Acute Osteomyelitis | 20 |
| 2 | Describe the clinical features, radiological features and management of a case of osteogenic sarcoma involving lower end femur | 20 |
| 3 | Write briefly on: | |
| | a. Tuberculosis of hip | 10 |
| | b. Deformities in Rheumatoid Arthritis | 10 |
| | c. CTEV | 10 |
| 4 | Write short notes on: | |
| | a. Paget's disease | 6 |
| | b. Osteogenesis Imperfecta | 6 |
| | c. General Principles of Amputation | 6 |
| | d. Triple Arthrodesis | 6 |
| | e. Frozen shoulder | 6 |

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POST GRADUATE DIPLOMA EXAMINATION, APRIL- 2011

**DIPLOMA IN ORTHOPAEDICS
(PAPER ONE)**

BASIC SCIENCES INCLUDING ANATOMY & PHYSIOLOGY RELATED TO ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss pathophysiology of "shock" in a trauma patient. Outline the principles of its management. (20)
- Q. 2. Discuss the physiology of "bone healing" and factors affecting it. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Nonunion and its causes
 - b. Management of ligament rupture
 - c. Role of X-rays, CT scan and MRI in orthopaedics
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Bone grafts
 - b. Blood supply of a long bone
 - c. Histology of striated muscle
 - d. Functions of articular cartilage
 - e. Endochondral ossification

POST GRADUATE DIPLOMA EXAMINATION, APRIL- 2011

**DIPLOMA IN ORTHOPAEDICS
(PAPER TWO)**

**FRACTURES, THEIR COMPLICATIONS & MANAGEMENT, PHYSICAL MEDICINE &
REHABILITATION**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Describe management of dorso- lumbar fractures with paraplegia. (20)
- Q. 2. Discuss the factors responsible for stability of knee joint. Write the management of anterior cruciate ligament injury. (20)
- Q. 3. Describe briefly, Radial nerve injury in the following headings: (3 x 10 = 30)
- a. Origin & course
 - b. Sensory & motor supply and clinical features
 - c. Management
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Complications of fractures
 - b. Scaphoid fracture
 - c. Bone grafting
 - d. Implant failure
 - e. Splint & traction

POST GRADUATE DIPLOMA EXAMINATION, APRIL- 2011

DIPLOMA IN ORTHOPAEDICS

(PAPER THREE)

DISEASES ALONG WITH PATHOLOGY & MANAGEMENT

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Describe in detail the aetiopathogenesis, clinical features, radiological findings and management of tuberculosis of the spine. (20)
- Q. 2. Describe in detail the aetiopathogenesis, clinical features, investigative findings and management of rheumatoid arthritis. (20)
- Q. 3. Describe briefly, Radial nerve injury in the following headings: (3 x 10 = 30)
- a. Legg – Calve' – Perthes disease
 - b. Cerebral palsy
 - c. Gout
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Frozen shoulder
 - b. Osteogenesis imperfecta
 - c. Ewing's - sarcoma
 - d. Osgood – Schlatter disease
 - e. Congenital pseudoarthrosis of the tibia

POST GRADUATE EXAMINATION, APRIL- 2012

DIPLOMA IN ORTHOPAEDICS

(PAPER ONE)

BASIC SCIENCES INCLUDING ANATOMY & PHYSIOLOGY RELATED TO ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Discuss fluid and electrolyte management of a polytrauma patient. (20)
- Q. 2.** Enumerate various surgical approaches which can be used for surgical exposure of hip joint. Describe surgical steps of "Harding approach" to hip joint in relation to "total hip replacement surgery". (20)
(Diagrammatic representation required).
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Blood supply of scaphoid bone
 - b. Physiology of ligament repair
 - c. Electro-diagnostic tools used in orthopaedics.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Bone substitutes
 - b. Sesmoid Bone
 - c. Scurvy
 - d. ARDS
 - e. Delayed bone union

POST GRADUATE EXAMINATION, APRIL- 2012

DIPLOMA IN ORTHOPAEDICS

(PAPER TWO)

FRACTURES, THEIR COMPLICATIONS & MANAGEMENT, PHYSICAL MEDICINE & REHABILITATION

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Describe the Gartland's classification of supracondylar fractures of humerus. Discuss the management of each of these fractures. (20)
- Q. 2.** Discuss the mechanism of injury, clinical features, management and complications of posterior dislocations of hip. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Clinical features of lateral popliteal nerve injury
 - b. Management of paralytic foot drop
 - c. Acute Volkman's Ischaemia
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Myositis ossificans
 - b. Gunstock Deformity
 - c. Claw Hand
 - d. Burst Fracture
 - e. Bone Grafting

POST GRADUATE EXAMINATION, APRIL- 2012
DIPLOMA IN ORTHOPAEDICS
(PAPER THREE)
DISEASES ALONG WITH PATHOLOGY & MANAGEMENT

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Describe aetiopathogenesis, clinical features, radiological features and management of Perthe's disease. (20)
- ☐ **2.** Describe pathogenesis, clinical features, investigations and management of Pott's Paraplegia. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Radiological features and management of congenital Talipes equano-varus.
 - b. Investigation and management of osteoporosis
 - c. Investigations and management of Rheumatoid arthritis
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Hallux Valgus
 - ☐ b. Syme's Amputation
 - c. Osteomyelitis
 - d. Multiple Myeloma
 - e. Fibrous Dysplasia

POST GRADUATE EXAMINATION, MAY- 2013

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER ONE)

BASIC SCIENCES INCLUDING ANATOMY & PHYSIOLOGY RELATED TO ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the various stages of fracture healing. Discuss the various factors influencing this process. (20)
- Q. 2.** Describe the blood supply of upper end of femur. Discuss its clinical application. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Wallerian degeneration
 - b. Southren approach to hip.
 - c. Radiological examination of an injured pelvis.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Bone scan.
 - b. HLA B₂₇
 - c. Different types of cartrilages.
 - d. Types of articulations.
 - e. Synovial fluid.

POST GRADUATE EXAMINATION, MAY- 2013

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER TWO)

FRACTURES, THEIR COMPLICATIONS & MANAGEMENT, PHYSICAL MEDICINE & REHABILITATION

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

1. Classify peripheral nerve injuries. Write the causes, diagnosis and principles of management of nerve injuries. (20)
- Q. 2. Discuss the mechanism of injury, clinical features, management and complications of posterior dislocations of hip joint. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Compartment syndrome
 - b. Debridement
 - c. Satter-Harris classification of epiphysed injuries.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Tension pneumothorax
 - b. Garden's classification of femoral neck fractures.
 - c. Wrist drop
 - d. Stress fracture
 - e. LC - DCP

POST GRADUATE EXAMINATION, MAY- 2013
DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER THREE)
DISEASES ALONG WITH PATHOLOGY & MANAGEMENT

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe aetiopathogenesis, clinical features, investigations and treatment of CTEV. (20)
- Q. 2.** Describe the clinical features, radiological features and management of a patient having Giant cell tumour of lower end of femur. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Principles of Amputation.
 - b. Osteo – Arthrosis knee.
 - c. Chronic osteomyelitis and its management.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Cold abscess.
 - b. Principles of tendon transfers.
 - c. Radiological features of CDH.
 - d. Bone densitometry.
 - e. Madura foot.

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER ONE)

BASIC SCIENCES INCLUDING ANATOMY & PHYSIOLOGY RELATED TO ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

Illustrate with suitable diagrams if required.

Q. 1. Discuss calcium metabolism with special reference to major calcium regulating hormones. (20)

Q. 2. Discuss the blood supply of scaphoid and its implications in Avascular necrosis. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Radiological features of developmental dysplasia hip
- b. Ulnar paradox
- c. Simple bone cyst

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Monostotic fibrous dysplasia
- b. Osgood- Schlatter's disease
- c. Transport osteogenesis
- d. Triple deformity of knee
- e. Synovial fluid.

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER TWO)

FRACTURES, THEIR COMPLICATIONS & MANAGEMENT, PHYSICAL MEDICINE & REHABILITATION

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams if required.

- Q. 1.** Define shock. What are the types of shock, discuss the clinical features, pathophysiology and treatment of hypovolemic shock. (20)
- Q. 2.** Discuss the mechanism of injury, clinical features, management and complications of anterior dislocation of shoulder joint. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. External rotation injury at ankle joint
 - b. Volksman's Ischaemia
 - c. Bone graft materials
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Endochondral ossification
 - b. Classification of open fractures
 - c. Cubitus varus
 - d. Wrist drop
 - e. Pulled elbow

POST GRADUATE EXAMINATION, SEPTEMBER- 2013
DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER THREE)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams if required.

- Q. 1.** Describe the pathology, clinical features and treatment of chronic osteomyelitis of tibia. (20)
- Q. 2.** Describe pathogenesis and treatment of neglected club foot. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Treatment of osteoporosis
 - b. Causes of foot drop
 - c. Types and causes of genu varum
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Tennis elbow
 - b. Carpal tunnel syndrome
 - c. Perthe's disease
 - d. Chondromalacia patella
 - e. Anti tubercular drug used in musculo-skeletal tuberculosis

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER ONE)

BASIC SCIENCES INCLUDING ANATOMY & PHYSIOLOGY RELATED TO ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss Bone Graft and its substitutes. (20)
- Q. 2.** Describe in details the anatomy of the knee joint. Elucidate clinical presentation of an ACL deficient knee and its management options. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Damage control orthopaedics.
 - b. Delto-pectoral approach.
 - c. Management of cervical spine injury in emergency.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Gout.
 - b. Blood supply of talus.
 - c. Ossification centres around elbow.
 - d. Girdlestone arthroplasty.
 - e. Osteochondroma.

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER TWO)

FRACTURES, THEIR COMPLICATIONS & MANAGEMENT, PHYSICAL MEDICINE & REHABILITATION

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the classification and management of trochanteric fractures in a young adult. (20)
- Q. 2.** Enumerate the injuries caused by fall on an outstretched hand. Define Colles' fracture. How will you manage malunited Colles' fracture? (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Indications for external skeletal fixation.
 - b. Complications of intramedullary nailing of femur.
 - c. AVN Talus.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Lisfranc's Fracture.
 - b. Neer's classification of fracture proximal humerus.
 - c. Mainen griffe.
 - d. Locking plates.
 - e. Rolando fracture.

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER THREE)

DISEASES ALONG WITH PATHOLOGY & MANAGEMENT

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe in detail the aetiopathogenesis, clinical features, radiological features and management of tuberculosis hip. (20)
- Q. 2.** Describe aetiopathogenesis, clinical features, investigations and treatment of osteo-arthritis knee. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Ewing's Sarcoma.
 - b. Osteogenic Sarcoma.
 - c. Pott's paraplegia.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Ponsetti Technique.
 - b. Triple Arthrodesis.
 - c. Scurvey
 - d. Chronic Osteomyelitis.
 - e. Gout.

POST GRADUATE EXAMINATION, APRIL - 2015

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER ONE)

**BASIC SCIENCES INCLUDING PRINCIPLES OF GENERAL SURGERY
AS APPLIED TO ORTHOPAEDICS**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss fracture healing and the factors affecting it. (20)

Q. 2. Describe the blood supply of head of femur and the methods to detect its avascularity. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Nerve conduction studies
- b. Spinal shock
- c. Hyaline cartilage

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Bone turnover
- b. Bone substitutes
- c. Synovial fluid
- d. Relative stability
- e. Principles of tendon transfer

POST GRADUATE EXAMINATION, APRIL - 2015
DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER TWO)
TRAUMATOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss physiology of fracture healing of long bones in adults. Illustrate diagrammatically. Enumerate factors responsible for nonunion of long bones. (20)
- Q. 2.** Describe mode of trauma, clinical features, various management modalities and complications of fracture clavicle bone. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Principles and indications for application of rail fixator in long bone fracture.
 - b. Principles of antibiotic impregnated cement nail.
 - c. Principles of locked plating.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Tear drop fracture
 - b. Bennett's fracture
 - c. Boxer's fracture
 - d. Aviator's fracture
 - e. March fracture

POST GRADUATE EXAMINATION, APRIL - 2015
DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER THREE)
DISEASES IN ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the clinical features, investigations, indications of operative treatment and types of decompression of Pott's paraplegia. (20)
- Q. 2.** Write etiology, patho-physiology, clinical features and treatment of carpal tunnel syndrome. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Recurrent dislocation of patella.
 - b. Causes of cerebral palsy.
 - c. Differential diagnosis of simple bone cyst.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Ponseti Technique.
 - b. Ewing's Sarcoma.
 - c. Gout
 - d. Frozen shoulder.
 - e. Osgood – Schlatter disease.

POST GRADUATE EXAMINATION, MAY - 2016

**DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER ONE)**

**BASIC SCIENCES INCLUDING PRINCIPLES OF GENERAL SURGERY
AS APPLIED TO ORTHOPAEDICS**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the blood supply of neck of femur and its applied anatomy. (20)

Q. 2. Discuss the anatomy of sciatic nerve, clinical features and management of sciatic nerve injury. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Stages of bone healing
- b. Evaluation of osteoporosis
- c. Nerve Conduction Velocity

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Synovial fluid analysis
- b. Gouty arthritis
- c. Fat embolism
- d. Avascular necrosis of bone
- e. Crush syndrome

X

POST GRADUATE EXAMINATION, MAY - 2016
DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER TWO)
TRAUMATOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the classification and management of fracture of proximal humerus. (20)
- Q. 2.** Discuss thoraco lumbar spine injury and their management. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Bone substitute
 - b. Relative stability
 - c. Unstable injury of pelvis
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Distraction osteogenesis
 - b. Interlocking nail
 - c. Fracture disease
 - d. Lisfranc's fracture
 - e. Volkman's ischaemic contracture

X

POST GRADUATE EXAMINATION, MAY - 2016
DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER THREE)
DISEASES IN ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Etiopathogenesis, clinical features and management of tuberculosis of the hip joint. (20)
- Q. 2.** Describe the clinical features, radiological features, differential diagnosis and management of Giant cell tumor involving lower end of femur. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Etiopathogenesis of Pott's paraplegia
 - b. Deformities in Rheumatoid arthritis
 - c. General principles of amputation
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Triple arthrodesis
 - b. Gout
 - c. Broodies abscess
 - d. Fibrous dysplasia
 - e. High tibial osteotomy

X

POST GRADUATE EXAMINATION, MAY - 2017

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER ONE)

**BASIC SCIENCES INCLUDING PRINCIPLES OF GENERAL SURGERY
AS APPLIED TO ORTHOPAEDICS**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

- Q. 1.** Discuss the pathophysiology and management of compartment syndrome. (20)
- Q. 2.** Discuss the aetiology, staging, presentation and management of AVN femoral head. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Blood supply of talus
 - b. Syme's amputation
 - c. Vitamin-D metabolism
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. DVT prophylaxis
 - b. Carpal tunnel syndrome
 - c. Mangled extremity score
 - d. Bisphosphonates
 - e. Bio-film

X

POST GRADUATE EXAMINATION, MAY - 2017
DIPLOMA IN ORTHOPAEDICS (D-ORTHO)
(PAPER TWO)
TRAUMATOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams

Q. 1. Discuss the mechanism of injury, clinical features, complications and management of supracondylar fracture humerus in children. (20)

Q. 2. Classify and describe the mechanism of ankle injuries with diagrams where possible. Discuss the management of ankle injuries. (20)

Q. 3. Describe briefly: (3 x 10 = 30)
a. Principles of treatment of intertrochantric fracture neck femur
b. Colles's fracture
c. Principles of management of compound fractures

Q. 4. Write short notes on: (5 x 6 = 30)
a. Bone grafting
b. Bridge plating
c. Thomas splint
d. Spinal orthosis
e. ACL reconstruction

X

POST GRADUATE EXAMINATION, MAY - 2017

DIPLOMA IN ORTHOPAEDICS (D-ORTHO)

(PAPER THREE)

DISEASES IN ORTHOPAEDICS

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

- Q. 1.** Discuss etiopathogenesis, clinical features, investigation and management of TB knee. (20)
- Q. 2.** Discuss etiopathogenesis, investigation, scoring systems and management of CTEV. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Ankylosing spondylitis
 - b. Multiple myeloma
 - c. Paget's disease
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Osteogenesis imperfecta
 - b. Synovial fluid analysis
 - c. Planter fasciitis
 - d. Frozen shoulder
 - e. Pirani score

X