

APRIL 2001

[KD 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION

(New Regulations)

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions

- 1. Describe the Pathology of Fracture healing and enumerate the complications of Osteo-articular injuries. Discuss their management.**
- 2. Describe the Pathophysiology of Nerve Injuries. Discuss the management of Radial nerve injury in the spiral groove.**

Write briefly on

- (a) Bennets Fracture dislocation**
- (b) Arthroscopy**
- (c) Dynamic Splint**
- (d) MRI**
- (e) Erbs Palsy**

NOVEMBER 2001

[KE 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

(New Regulations)

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the clinical features and management of traumatic dislocation of Hip. (25)
 2. Describe the types of Spinal injuries and their complications. Discuss their management. (25)
 - 3 Write briefly on : (5 × 10 = 50)
 - (a) Monteggia fracture dislocation
 - (b) Ilizarov technique
 - (c) Fat Embolism
 - (d) Symes Amputation
 - (e) Thompsons Test.
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MARCH 2002

[KG 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

(New Regulations)

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Classify Post-Traumatic dislocations of the hip. Describe clinical and radiological features and management of Posterior dislocations of the hip in an adult. Describe the complications. (25)
2. What are the types of Supracondylar fractures of the Humerus? Describe the complications and outline their diagnosis. How do you manage the complications. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) ESSEX LOPRESTI fracture dislocations.
 - (b) BENETT'S FRACTURE.
 - (c) Supination External rotation injury of the ankle
 - (d) Dislocation of the Lunate
 - (e) Thomas Splint.

SEPTEMBER 2002

[KH 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

(New Regulations)

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Classification of ankle fractures, describe clinical features and management of simple ankle fractures. (25)
2. Describe the course, surgical anatomy of sciatic nerve, mode of injury to sciatic nerve and describe the treatment of sciatic nerve injury. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Colle's fracture
 - (b) Skull traction

(c) Cannulator screws

(d) Disarticulation at the level of the knee

(e) Volkmann's sign.

APRIL 2003

[KI 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

(New Regulations)

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Classify Pott's fracture, and describe clinical features, and management. (25)
 2. Describe recurrent dislocation of patelle, clinical features and management. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Montegics fracture dislocation
 - (b) Compartmental syndrome
 - (c) Foot drop
 - (d) Thoma's Test
 - (e) Orthotics.
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OCTOBER 2003

[KJ 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

(New Regulations)

Part II

Paper I — TRAUMATOLOGY

Time : Three hours Maximum : 100 marks
Theory : Two hours and Theory : 80 marks
 forty minutes
M.C.Q. : Twenty minutes M.C.Q. : 20 marks

M.C.Q. must be answered **SEPARATELY** on the Answer Sheet provided as per the instructions given on the first page of MCQ Booklet.

Answer **ALL** questions.

Draw suitable diagrams wherever necessary.

Write Essay : (2 × 15 = 30)

1. Management of fracture humerus with different methods and add a note on complications. (15)
2. Classify dislocation of hip and discuss posterior dislocation of hip with its complications. (15)

3. Short notes : (10 × 5 = 50)

- (1) Nonunion.
- (2) Posterior approaches to hip.
- (3) Fracture patella.
- (4) Monteggia fracture dislocation.
- (5) Traumatic paraplegia management.
- (6) Classify ankle injuries and write on fractures of malluli.
- (7) Classify tibial condyler fracture and write on management of condyler fracture of tibia.
- (8) Classification and management of subtrochatic fracture of femur.
- (9) Name rotator cuff injuries and discuss management of rotator cuff injuries.
- (10) Name injuries around elbow and discuss the management of lateral condyler fracture of humerus.

AUGUST 2004

[KL 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

(New Regulations)

Part – II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

(1) Classify Intra Capsular fracture neck of femur describe the complications and management.

(2) Classify shoulder dislocation, describe the management of recurrent shoulder dislocation.

II. Write briefly on : (10 × 5 = 50)

(a) Radial Nerve Palsy

(b) Monteggia fracture dislocation

(c) Ring Fixators

(d) Chondrolysis

(e) Thomas Splint

(f) Gun stock deformity of Elbow

(g) Compound fractures

(h) Tests for anterior cruciate ligament reapture

(i) Non union of fractures

(j) Implants in Orthopaedics.

FEBRUARY 2005

[KM 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

(New Regulations)

Part II

Paper I — TRAUMATOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Describe the anatomy and vascularity of the Talus. Classify injuries of the Talus and give their management. (15)

(2) Classify Dorsolumbar spine injuries. How do you manage a patient with fracture of Dorsal 12th vertebra with paraplegia. (15)

II. Short notes : (10 × 5 = 50)

(a) Fracture lateral condyle of Humerus in children.

(b) Patellar Tendon bearing cast.

(c) Fracture of the 5th META TARSAL.

(d) Medial meniscal tears.

(e) Chronic Tendo Achilles rupture.

(f) Limited Contact Dynamic Compression Plate.

(g) Mallet finger.

(h) Myosites Ossificans

(i) Bone morphogenic proteins.

(j) Volkman sign.

MARCH 2006

[KO 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

TRAUMATOLOGY

Time : Three hours Maximum : 100 marks
Theory : Two hours and Theory : 80 marks
 forty minutes
M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essays : (2 × 15 = 30)

(1) Describe anatomy, mechanism of injury and management of Anterior Cruciate ligament.

(2) Fractures of pelvis – mechanism of injury, classification and management.

II. Short notes : (10 × 5 = 50)

- (a) Tendo-Achilles rupture
- (b) Meyer's procedure
- (c) Radiological features of rickets

- (d) Monteggia fracture - dislocation
- (e) Osteblastoma
- (f) Fracture patella
- (g) Gout
- (h) Congenital Vertical Talus
- (i) Skeletal traction
- (j) Plaster of Paris.

SEPTEMBER 2006

[KP 1561]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

(1) Describe the anatomy of the lower end of Humerus. Describe the types of injuries around the Elbow and the principles of their management. (20)

(2) Describe the pathology, diagnosis and management of Recurrent dislocation of the shoulder Joint. (15)

(3) Classify distal radial fracture and discuss the management. (15)

II. Short notes :

(6 × 5 = 30)

(a) Bennets fracture

(b) Interlocking nails in Tibial fractures.

(c) Loose bodies.

(d) ACL tear

(e) Trigger finger

(f) Pivot shift sign

MARCH 2007

[KQ 1562]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS (D. ORTH)
EXAMINATION
TRAUMATOLOGY

Common to

Part II – Paper I (Candidates admitted from 1993–94
onwards)

and

Paper II (Candidates admitted from 2004–05 onwards)

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay Questions :

1. Discuss the biomechanical principles of different types of external fixators and their applications and complications in their use. (20)
2. Describe the indications and types of total hip replacement. Describe the common complications encountered after THR. (15)
3. Classify injuries of ankle and describe their management. (15)

II. Short notes :

(6 × 5 = 30)

- (a) Monfeggia fracture dislocation
 - (b) Bone bank
 - (c) Crush syndrome
 - (d) Avascular necrosis of head of femur
 - (e) Arthroscope
 - (f) MRI scan in orthopaedics.
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MARCH 2008

[KS 1562]

Sub. Code : 3104

DIPLOMA IN ORTHOPAEDICS (D. ORTH) EXAMINATION.

Paper II — TRAUMATOLOGY

(Common to all regulations)

Q.P. Code : 353104

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagram's wherever necessary.

- I. Essay questions : (2 × 20 = 40)
- (1) Describe classification, signs and symptoms complications and management of fracture pelvis. (20)
 - (2) Describe aetiopathology signs and symptoms and management of recurrent anterior dislocation of shoulder. (20)
- II. Short notes on : (10 × 6 = 60)
- (1) March fracture.
 - (2) Myositis ossificans traumatica.
 - (3) Supination external rotation injury of Ankle.
 - (4) Floating knee.
 - (5) Pellegrini – Steida disease.
 - (6) Avulsion fractures.
 - (7) Distraction osteogenesis.
 - (8) Periprotthetic fractures.
 - (9) Compartment syndrome.
 - (10) Bennetts fracture dislocation.
-

September 2008

[KT 1562]

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

Paper II – TRAUMATOLOGY

**(Candidates admitted upto 2003-2004 and
Candidates admitted from 2004-2005 onwards)**

Q.P. Code : 353104

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Describe the injuries around elbow joint aged above 40 years and describe its management and its complications.
2. Classify ankle injuries. Discuss the clinical fracture and management of dislocation of the ankle.

II. Write short notes on : (10 X 6 = 60)

1. Painful arc syndrome.
 2. Non-Union.
 3. Trigger Finger.
 4. Blood supply of neck of femur.
 5. Carpal tunnel syndrome.
 6. Monteggia fracture.
 7. Tension Band wiring.
 8. Fracture talus.
 9. Muscle pedicle graft
 10. Flail chest.
-

MARCH -2009

[KU 1562]

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

Paper II – TRAUMATOLOGY

(Common to all regulations)

Q.P. Code : 353104

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Define and classify open fractures. How will you evaluate and manage a grade III B open fracture of tibia?
2. Describe classification, clinical features and diagnosis of fracture neck of femur. How will you manage fracture neck of femur in a 50 year old patient?

II. Write short notes on : (10 X 6 = 60)

1. Fracture healing.
2. Sudeck's osteodystrophy.
3. Epiphyseal injuries of distal radius.
4. Acromio- clavicular dislocation.
5. Monteggia fracture.
6. Thomas splint.
7. Tension band wiring.
8. Calcaneal fractures.
9. Partial meniscal tear.
10. Bennett's fracture.

September - 2009

[KV 1562]

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION.

Paper II – TRAUMATOLOGY

(Common to all regulations)

Q.P. Code : 353104

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Classify fractures of pelvis. Discuss the management of injuries of pelvis.
2. Describe the diagnosis and treatment of acute tears of anterior cruciate ligament.

II. Write short notes on : (10 X 6 = 60)

1. Classification of ankle injuries.
2. Rotator cuff injuries.
3. Bartons fracture.
4. Crush syndrome
5. Epiphyseal injuries.
6. Lisfranc's Injuries of foot.
7. Management of trochanteric fractures in elderly.
8. Perilunar dislocation.
9. Fracture disease.
10. Hanging cast.

March 2010

[KW 1562]

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS EXAMINATION

TRAUMATOLOGY

(Common to all candidates)

Q.P. Code : 353104

Time : Three hours Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. Classify and describe epiphyseal injuries. Describe the clinical features, management and complications of fracture of lateral condyle of humerus in a 10 yrs. old child.
2. Classify fractures of proximal tibia. Describe the clinical features, evaluation and management of proximal tibial fractures in adults.

II. Write short notes on : (10 x 6 = 60)

1. Proximal femoral nail.
2. Myositis ossificans.
3. Kaplan's dislocation.
4. Bankart's lesion.
5. Galleazzi fracture.
6. Malunited inter –trochanteric fracture.
7. Functional cast brace.
8. Fracture neck of talus.
9. Rupture of tendo Achilles.
10. Anterior cruciate ligament injuries.

September 2010

[KX 1562]

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS (D.ORTHO.) EXAMINATION.

**Part II-Paper I for Candidates admitted upto 2003-04 & Candidates admitted
from 2008-09 onwards**

And

Paper II for Candidates admitted from 2004-05 to 2007-08

TRAUMATOLOGY

Q.P. Code : 353104

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Classification of Dislocation of Hip Joint. Briefly describe the clinical features, complications and management of posterior dislocation of Hip.
2. Discuss in detail the management of C5 C6 fracture dislocation in a 30 years old male with neurological deficit (Partial).

II. Write short notes on :

(10 X 6 = 60)

1. Rupture of Tendo Achilles.
2. Tension Band Wiring.
3. Locking Compression Plate (LCP).
4. Epiphyseal Injuries.
5. Pilon Fracture.
6. Lateral condyle fracture of humerous in children.
7. Stress Fracture.
8. Complications of Colles fracture.
9. Trigger Finger.
10. Jafferson's Fracture.

APRIL 2011

[KY 1562]

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS (D.ORTH.) EXAMINATION

TRAUMATOLOGY

Q.P. Code : 353104

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Anatomy of Anterior Cruciate Ligament (ACL) of Knee. Mechanism of injury, diagnosis and management of ACL tear in young adult male.	11	35	15
2. Anatomy of distal humerus. Aetiology, classification and management of fractures of the distal Humerus.	11	35	15

II. Write notes on :

1. Flexor tendon injuries of hand.	4	10	7
2. Rotator cuff tear.	4	10	7
3. Clavicle fractures.	4	10	7
4. Functional Cast Bracing.	4	10	7
5. Limited Contact dynamic compression plate.	4	10	7
6. Lag Screw.	4	10	7
7. Proximal tibial fractures.	4	10	7
8. Tension band wiring.	4	10	7
9. Calcaneal fractures.	4	10	7
10. Below Knee Amputation.	4	10	7

October 2011

[KZ 1562]

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS (D.ORTH.) EXAMINATION

TRAUMATOLOGY

Q.P. Code : 353104

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

1. Describe the pathology, diagnosis and management of recurrent dislocation of shoulder.
2. Describe the types of fractures around the ankle joint and their management.

**Pages Time Marks
(Max.) (Max.) (Max.)**

11	35 min.	15
11	35 min.	15

II. Write notes on :

1. Sterno Clavicular Dislocation.
2. Side - swipe Injury.
3. BARTON'S Fracture.
4. SUDECK'S (Atrophy) Osteodystrophy.
5. Compression Plating.
6. Stress Fractures.
7. Callotaxis.
8. Malgaigne Fracture.
9. Hangman's Fracture.
10. Funicular Suture.

4	10 min.	7
4	10 min.	7
4	10 min.	7
4	10 min.	7
4	10 min.	7
4	10 min.	7
4	10 min.	7
4	10 min.	7
4	10 min.	7
4	10 min.	7

[LA 1562]

April 2012

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS (D.ORTH.) EXAMINATION

TRAUMATOLOGY

Q.P. Code : 353104

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Etiology and Patho Anatomy of Tibial Plateau fracture and management.	16	35	15
2. Patho Anatomy of fracture of D11 with Paraplegia and its management.	16	35	15

II. Write notes on :

1. Describe the various management options of pathological Fracture upper third of shaft of Humerus.	4	10	7
2. Management of Perilunate Dislocation.	4	10	7
3. Fatigue Fractures at different bones and management.	4	10	7
4. How is locking compression plate for Forearm superior to dynamic compression plate.	4	10	7
5. Management of Posterior column fracture of Acetabulum.	4	10	7
6. Management of Anterior cruciate Ligament injury of Knee.	4	10	7
7. Different methods of Repair of a Tendon tear.	4	10	7
8. Management of Fracture Scapula.	4	10	7
9. Management of Marginal fractures of lower Radius.	4	10	7
10. Applications of Plaster of Paris and Fibre cast in fracture management.	4	10	7

[LB 1562]

OCTOBER 2012

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS (D.ORTH.) EXAMINATION

TRAUMATOLOGY

Q.P. Code : 353104

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.) (Max.) (Max.)

- | | | | |
|--|----|----|----|
| 1. Classify distal humerus fracture in children and discuss the management of Supracondylar fracture with absent radial pulse. | 16 | 35 | 15 |
| 2. Discuss the classification and management of fracture neck of femur in a 30 year old patient. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Discuss the principles and application of Biological plating. | 4 | 10 | 7 |
| 2. Write the principles and method of applying Tension band wiring. | 4 | 10 | 7 |
| 3. Management of wedge compression fracture of Dorso lumbar spine. | 4 | 10 | 7 |
| 4. Classify Lisfranc fracture and its management. | 4 | 10 | 7 |
| 5. Management of Monteggia fracture. | 4 | 10 | 7 |
| 6. Principles and application of Skeletal traction. | 4 | 10 | 7 |
| 7. Types of AC joint and discuss the outline of management. | 4 | 10 | 7 |
| 8. What is the mechanism of violence in Chance fracture and how to manage. | 4 | 10 | 7 |
| 9. Etiology and management of cubitus varus. | 4 | 10 | 7 |
| 10. Brief note on Dynamisation of Interlocking nail. | 4 | 10 | 7 |

(LC 1562)

APRIL 2013

Sub. Code: 3104

DIPLOMA IN ORTHOPAEDICS (D.ORTH.) EXAMINATION

TRAUMATOLOGY

Q.P. Code : 353104

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Classify Dorso-lumbar Spine Injuries. Describe the management of a patient with fracture of D12 vertebra with paraplegia.
2. Classify Ankle Injuries. Describe the Clinical features and management of Ankle fractures.

II. Write notes on:

(10X7=70)

1. Monteggia Fracture Dislocation
2. Locking Compression Plate
3. Compartment Syndrome
4. Ulnar claw
5. Tests for Anterior Cruciate ligament rupture
6. Arthroscope
7. Distraction osteogenesis
8. Flail Chest
9. Acromio-clavicular dislocation
10. Fracture Calcaneum

(LE 1562)

APRIL 2014

Sub. Code:3104

**DIPLOMA IN ORTHOPAEDICS (D.ORTHO.) EXAMINATION
TRAUMATOLOGY**

Q.P.Code: 353104

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Classify Cervical spine injuries. Discuss the management of upper cervical spine injuries.
2. Classify Calcaneal fractures. Discuss the surgical techniques, management and complications of these fractures.

II. Write notes on:

(10X7=70)

1. Management of scaphoid fracture non union.
2. Treatment of malunited distal end radius fracture in a 50yr old.
3. Surgical management of humerus fracture –non union
4. Neglected elbow dislocation.
5. Surgical treatment of Rotator Cuff tears.
6. Avascular necrosis of Talus.
7. Galleazi fracture dislocation.
8. Judet's view in acetabulum fracture.
9. Management of high grades of tibial plateau fracture.
10. Biodegradable implants.

DIPLOMA IN ORTHOPAEDICS (D.ORTHO.) EXAMINATION

TRAUMATOLOGY

Q.P.Code: 353104

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify intra-articular fractures of distal humerus. How will you manage a case of type IV Radin and Riseborough fracture in a 30 year old male?
2. Classify fracture neck of femur. Describe the management of a 40 year old man with two weeks old fracture neck of femur.

II. Write notes on:

(10 x 7 = 70)

1. Modular external fixator.
2. Fracture odontoid.
3. Foot drop.
4. Syndesmotic injury.
5. Interference screw.
6. Pubic symphysis diastasis.
7. Reduction techniques in posterior dislocation of Hip.
8. Limb reconstruction system.
9. Bone marrow concentrate in Non-union.
10. Hawkin's sign.
