

[KD 207] APRIL 2001 Sub. Code : 2218

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic surgery

Part II

Paper I — TRAUMATOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

Illustrate with diagrams wherever necessary.

1. Describe the mechanism of ligament injuries of knee joint and its diagnosis in detail. How will you manage a 3 months old untreated ACL injury in a 25 years old foot baller. (25)
2. Classify Dorso lumbar spinal injuries. Describe the treatment in detail in a 50 years old man with L1 fracture with neurological deficit. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Biological fixation of fractures
 - (b) Essex Lopresti fracture
 - (c) Jefferson's fracture
 - (d) Pilon fracture
 - (e) Type V Thompson — Epstein hip injury.

NOVEMBER 2001

[KE 207]

Sub. Code : 2218

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate with diagrams wherever necessary.

1. Classify fracture pelvis and describe in detail its various treatment modalities. (25)
2. Classify cervical spine injury and describe its diagnosis, investigations and management in detail. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Lisfrac's fracture dislocation.
 - (b) Old neglected Tendo achilles Rupture
 - (c) Modular External Fixators.
 - (d) Grade III acromio clavicular injuries.
 - (e) ACL reconstruction.

[KG 207]

MARCH 2002

Sub. Code : 2218

M.S. DEGREE EXAMINATION.
(Revised Regulations)
Branch II — Orthopaedic Surgery
Part II
Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate with diagrams wherever necessary.

1. Draw a neat diagram to show normal functional anatomy of shoulder joint. What is the pathological anatomy in recurrent anterior dislocation of shoulder? How will you surgically manage a case of recurrent anterior dislocation of shoulder? (25)
2. Classify acromio-clavicular joint injuries. Describe the pathoanatomy and management of these injuries. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Fracture capitellum of humerus
 - (b) Plaster of Paris substitutes.
 - (c) Extrinsic ligaments of wrist.
 - (d) Fractures in child abuse.
 - (e) SCIWORA syndrome.

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SEPTEMBER 2002

[KH 207]

Sub. Code : 2218

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate with diagrams wherever necessary.

1. How fractures in children differ from those in adults? State general principles of management of paediatric fractures. Describe management of fracture shaft of femur in a 8 years old. What are the complications of fracture shaft of femur in a child? (25)

2. Classify diaphyseal fractures of long bones. What are the biomaterials used for internal fixation of fractures? Describe in detail the different techniques of plate osteosynthesis highlighting their biomechanical basis. (25)

3. Write short notes on : (5 × 10 = 50)

- (a) Hanging cast
- (b) Posterior dislocation of sterno-clavicular joint.
- (c) Whitesides technique of compartmental pressure measurement.
- (d) Percutaneous injection of bone marrow for fracture healing.
- (e) Advantages and disadvantages of external fixation.

[KI 207]

APRIL 2003

Sub. Code : 2218

M.S. DEGREE EXAMINATION,

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper I — TRAUMATOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate with diagrams wherever necessary.

1. Classify the instabilities of Knee Joint and outline management of combined antero medial Instability. (25)
 2. Enumerate various sites of nerve entrapment. Describe the surgical anatomy and treatment of any one of them. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Tourniquet palsy
 - (b) Foot Drop
 - (c) Tendo Achilles rupture
 - (d) Fracture scaphoid
 - (e) Smiths fracture.
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OCTOBER 2003

[KJ 207]

Sub. Code : 2218

M.S. DEGREE EXAMINATION,

(Revised Regulations)

Branch II — Orthopaedic Surgery

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

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

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Essay questions :

(2 × 15 = 30)

**1. Discuss the role of different methods of fixation in
sub trochanteric fractures. (15)**

**2. Discuss the blood supply, classification,
complications and management of fracture of talus. (15)**

3. Short notes :

(10 × 5 = 50)

(a) March Fracture.

(b) Osteochondral fractures.

(c) Tension band principle.

**(d) Bankart operation—Principle and outline of
technique.**

(e) Functional cast bracing.

(f) Fracture of odontoid process.

(g) Tennis Elbow.

(h) Mallet finger.

(i) Clay Shoveller's fracture.

(j) Gun stock deformity.

[KK 207] **APRIL 2004** Sub. Code : 2218

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

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.

A. Essay questions : (2 × 15 = 30)

(1) Discuss the anatomy of Semilunar Cartilages of knee joint. Describe the mechanism of Injury, Diagnosis and Management of the Semilunar Cartilage tears.

(2) Describe the formation of Brachial Plexus. Discuss how you will manage a case of Brachial Plexus injury.

B. Short notes : (10 × 5 = 50)

- (1) Plaster of Paris.
- (2) Volkmans ischaemic Contracture.
- (3) Monteggia–fracture dislocation.
- (4) Non–Union of a long bone
- (5) Fracture dislocation of talus.
- (6) Hangmans fracture.
- (7) Periulnar dislocation of wrist.
- (8) Tourniquet.
- (9) Pilon fractures.
- (10) Lisfrance dislocation.

[KL 207] **AUGUST 2004** Sub. Code : 2218

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

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 questions : (2 × 15 = 30)

(1) Discuss the various internal fixation devices used in the treatment of supracondylar fractures of adult femur.

(2) Classify fractures of spine. Outline the stabilization for thoracolumbar spine injury.

II. Short notes : (10 × 5 = 50)

(a) Salient features of posterior dislocation of shoulder joint.

(b) Classification of fracture talus.

(c) Recent advances in management of fracture calcaneus.

(d) Limited contact dynamic compression plate (LC-DCP).

(e) Causes of implant failure.

(f) Alloys in orthopaedics.

(g) Healing in cortical bone.

(h) Prevention of thromboembolic complications in orthopaedics.

(i) Shoulder hand syndrome.

(j) Management of pilon fractures of tibia.

FEBRUARY 2005

[KM 207]

Sub. Code : 2218

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

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. Essay Questions :

(2 × 15 = 30)

(1) Classify compound fractures. Describe modern methods of management of compound fractures of both bones of leg in adults.

(2) Classify dislocations of Shoulder. Write in detail about 'PUTTI-PLATT' Surgery.

II. Short Notes :

(10 × 5 = 50)

- (a) Bennet's fracture dislocation.
- (b) Caudce Equina Syndrome.
- (c) Cubitus Valgus.
- (d) Flial Chest.
- (e) Tension band wiring.
- (f) Carpal tunnel syndrome.
- (g) Fat Embolism.
- (h) M.C.P. Joint dislocation of index finger.
- (i) L.C.D.C.P. (Low Contact Dynamic Compression Plate).
- (j) Green stick fractures.

[KO 207] MARCH 2006 Sub. Code : 2218

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

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 diagram wherever necessary.

I. Essay Questions : (2 × 15 = 30)

1. Outline the management of a case of fracture involving D11 vertebra with paraplegia in 35 years old male.

2. Discuss the principles involved in the management of intra articular fractures.

II. Short notes : (10 × 5 = 50)

(a) Plaster of Paris.

(b) Describe the operation for anterior cruciate ligament rupture.

(c) Clinical features and investigations in posterior dislocation of shoulder.

(d) Surgical approach of choice for fracture of proximal third of ulna with dislocation of head of radius in anterior direction.

(e) Peri-prosthetic fractures - Causes.

(f) Role of 3D-C.T. in orthopaedics.

(g) Fractures in aviators.

(h) French osteotomy.

(i) Mangled extremity severity score.

(j) Placement of incisions in hand surgery.

[KQ 205] **MARCH 2007**

Sub. Code : 2218

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

TRAUMATOLOGY

Common to

Part II — Paper I — (Old/New/Revised Regulations)

(Candidates admitted from 1988–89 onwards)

and

Paper II (For candidates admitted from 2004–05 onwards)

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. Fracture Pelvis — Mechanism of injury, classification, clinical features, diagnosis and management. (20)

2. Anterior cruciate ligament — Anatomy, mechanism of injury and management of ligament injury. (15)

3. Describe anatomy of sciatic nerve. Discuss in detail etiology, clinical features and treatment of foot drop. (15)

II. Short notes : (6 × 5 = 30)

(a) Acromio-Clavicular joint injuries — classification and management in brief.

(b) Anterior tibial compartment syndrome.

(c) Soleal neurectomy.

(d) Aviators fracture

(e) Posterior dislocation of shoulder

(f) Hangman's fracture.

SEPTEMBER 2007

[KR 209]

Sub. Code : 2216

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

TRAUMATOLOGY

Common to

Part II — Paper I — (Old/New/Revised Regulations)

(Candidates admitted upto 2004-05)

and

Paper II — (For candidates admitted from 2004-2005
onwards)

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.

I. Long Essay :

1. Describe the classification of fracture acetabulum. Discuss the etiology and management of central fracture dislocation in a 30 year old female. (20)

2. Classify tibial spine injuries. Discuss the etiology and management of type III injury in a 13 year old athlete. (15)

3. 'Terrible triad of hotchkiss' — Discuss the mechanism of injury and management in a 26 year old scooter mechanic. (15)

II. Short notes : (6 × 5 = 30)

(a) Tardy-ulnar nerve palsy.

(b) Lisfranc's injury.

(c) MIPPO – minimally invasive percutaneous plate osteosynthesis.

(d) Hoffa's fracture.

(e) Lunatomalacia.

(f) Bennett's fracture.

March-2008

[KS 209]

Sub. Code : 2216

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

TRAUMATOLOGY

Common to

Part II — Paper I — (Old/New/Revised Regulations)

(Candidates admitted upto 2003–2004)

and

Paper II — (For candidates admitted from 2004–2005 onwards)

Q.P. Code : 222216

Time : Three hours

Maximum : 100 marks

I. Essay questions : (2 × 20 = 40)

1. Describe the etiology, Pathophysiology classification and management of subtrochanteric fracture in a 40 years old patient.

2. Classify Tibial condyle fractures. Discuss the clinical features, complications and management of a Type VI # in an adult.

II. Short notes :

(10 × 6 = 60)

- (1) Flexor Tendon Zones in Hand
- (2) Locked Plates
- (3) Perilunate Dislocation
- (4) Spinal Cord Injury Syndrome
- (5) Plastic Deformation
- (6) Gustillo classification.
- (7) Talar Neck Fractures.
- (8) Tardy Ulnar Nerve Palsy.
- (9) Boxers Fracture
- (10) Acromio-Clavicular Injury.

September 2008

[KT 209]

Sub. Code: 2216

M.S. DEGREE EXAMINATION

Branch II – Orthopaedic Surgery

TRAUMATOLOGY

**Common to
Part II – Paper I – (Old/New/Revised Regulations)
(Candidates admitted upto 2003-04)
and
Paper II – (For candidates admitted from 2004-2005 onwards)**

Q.P. Code : 222216

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Discuss Carpal Instability and its management.
2. Discuss classification, diagnosis and management of upper tibial plateau fractures.

II. Write short notes on :

(10 X 6 = 60)

1. Pilon fractures.
 2. Role of electrical stimulation in delayed unions.
 3. Fracture neck of talus.
 4. Management of recurrent dislocation of shoulders.
 5. Monteggia fracture dislocations in children.
 6. Rotator cuff injuries.
 7. Implant fracture – cause and management.
 8. Tension Band wiring
 9. Holstein Lewis syndrome
 10. Bennett's fracture
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March 2009

[KU 209]

Sub. Code: 2216

M.S. DEGREE EXAMINATION

Branch II – ORTHOPAEDIC SURGERY

Common to

**Part II – Paper I - (Candidates admitted upto 2003-04) and
Paper II - (for candidates admitted from 2004-05 to 2007-08)**

TRAUMATOLOGY

Q.P. Code : 222216

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Classify ankle injuries. Discuss clinical features investigation and management of pronation internal rotation injury of ankle in a young adult.
2. Classify acetabular fractures. Discuss the diagnosis complications and management of different types of acetabular fracture.

II. Write short notes on :

(10 x 6 = 60)

1. Hoffas fracture.
2. Sinus tarsi syndrome.
3. Rotator cuff tear.
4. Fracture capitulum.
5. Lisfranc fracture dislocation.
6. Kaplans dislocation.
7. Torus fracture.
8. Biological osteosynthesis.
9. Odontoid fracture.
10. Tension band wiring.

September 2009

[KV 209]

Sub. Code: 2216

M.S. DEGREE EXAMINATION

Branch II – ORTHOPAEDIC SURGERY

Common to

**Part II – Paper I - (Candidates admitted upto 2003-04) and
Paper II - (for candidates admitted from 2004-05 to 2007-08)**

TRAUMATOLOGY

Q.P. Code : 222216

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Classify fractures of distal radius. Describe clinical and radiological features, management and complications of distal radial fractures in a young adult.
2. Classify pelvic fractures. Discuss mechanism of injury, assessment and management of pelvic fractures.

II. Write short notes on :

(10 x 6 = 60)

1. Salter and Harris classification.
2. Thomas splint.
3. Hangman's fracture.
4. Myositis ossificans traumatica
5. Flial chest.
6. Torsion band wiring.
7. Battered baby syndrome.
8. Posterior dislocation of shoulder.
9. Holstein lewis syndrome.
10. Radial neck fractures.
