

[KD 208] APRIL 2001 Sub. Code : 2219

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic surgery

Part II

Paper II — ORTHOPAEDICS

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Describe the natural history of perthes disease, its various investigations and principles of treatment. (25)
2. Describe the Pathology, Clinical features and prognosis of Giant cell Tumour medial femoral condyle. Describe its management in detail. (25)
3. Write short notes :
 - (a) Radiological findings in various types of Rickets
 - (b) Villomodular synovitis knee
 - (c) Tibial Hemimelia
 - (d) MLD (Microlumbar Discectomy)
 - (e) Congenital Tibial Kyphosis. (50)

NOVEMBER 2001

[KE 208]

Sub. Code : 2219

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

Time : Three hours

Maximum : 100 marks

1. Describe clinical features, radiological findings and management of CTEV in a 7 year old child. (25)
2. Classify scoliosis. How will you manage a case of paralytic Thoraco lumbar scoliosis in a 13 year old girl. (25)
3. Write short notes : (5 × 10 = 50)
 - (a) Proximal femoral deficiency.
 - (b) Thumb deformity, correction in Hansens' disease.
 - (c) Hybrid Prosthesis.
 - (d) Renal Osteodystrophy
 - (e) Aneurysmal bone cyst

[KG 208] MARCH 2002 Sub. Code : 2218

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

Time : Three hours Maximum : 100 marks

Answer ALL questions.

Illustrate with diagrams wherever necessary.

1. Discuss the histogenesis of Giant cell tumour. Describe the clinical features and management of a GCT of upper tibia in a young adult. (25)

2. Classify Spondylolistheses. Describe the clinical features and management of a case of ischemic spondylolisthesis with neurological deficit at the lumbosacral junction. (25)

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

- (a) Thoracic outlet syndrome.
- (b) Enumerate cysts and cystlike lesions of the bone
- (c) Isotope bone scan.
- (d) Post-poliomyelitis syndrome
- (e) Nerve repair.

SEPTEMBER 2002

[KH 208]

Sub. Code : 2219

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Illustrate with diagrams wherever necessary.

1. What are the different varieties of Osteosarcoma? Describe clinical features and management of a central stage II B osteosarcoma in upper tibia in a 10 years old, highlighting chemotherapy. (25)
2. Discuss the patho-anatomy of degenerative disc disease of spine. Describe clinical features and management of a case of disc prolapse at lumbar 4-5 level. (25)

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

- (a) Crouched posture in cerebral palsy
 - (b) Recurrent focal osteomyelitis
 - (c) Haemophilic knee joint
 - (d) Surgical staging of tumours
 - (e) Assessment of osteoporosis.
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[KI 208]

APRIL 2003

Sub. Code : 2219

M.S. DEGREE EXAMINATION

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the anatomy of Hip Joint briefly. Describe osteotomies around the Hip Joint. (25)
 2. Discuss the aetiology and management of Perthe's disease of Hip. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Haemophilic knee
 - (b) MRI
 - (c) Continuous passive motion
 - (d) Aneurysmal Bone cyst
 - (e) Discoid Meniscus.
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OCTOBER 2003

[KJ 208]

Sub. Code : 2219

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

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 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 biomechanics of the hip joint in osteoarthritis of the hip joint. Discuss the management of a 50 year old man with osteoarthritis of the hip.

2. Discuss the biomechanics of claw hand in Leprosy. What are the principles of reconstructive surgery of claw hand?

3. Short notes :

(10 × 5 = 50)

- (a) Tibia Vara.
- (b) Charcot's Joint.
- (c) Loose Bodies.
- (d) Causalgia.
- (e) Aneurysmal Bone Cyst.
- (f) Scintigraphy.
- (g) Uncemented Prosthesis.
- (h) Prepatellar Bursitis.
- (i) Snapping Hip.
- (j) Fibular Hemimelia.

[KK 208] APRIL 2004 Sub. Code : 2219

M.S. DEGREE EXAMINATION,

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

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.

A. Essay questions : (2 × 15 = 30)

(1) Discuss the Pathological anatomy of Congenital Talipes Equinovarus. How would you manage a case of relapsed club foot in a child aged 5 years.

(2) Discuss the differential diagnosis of Cystic lesions of bone. Describe the etiopathology, clinical, radiological findings and management of unicameral bone cyst of a long bone.

B. Short notes : (10 × 5 = 50)

- (1) Osteitis pubis.
 - (2) Immunodeficiency and bone infection.
 - (3) Factors influencing uric acid levels.
 - (4) Neo-adjuvant Chemotherapy in Malignant bone tumours.
 - (5) Infantile cortical hyperostosis.
 - (6) Coccydynia.
 - (7) Chordoma.
 - (8) Mycotic bone infections.
 - (9) Trench foot.
 - (10) Cold abscess.
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[KL 208] AUGUST 2004 Sub. Code : 2219

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

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 differential diagnosis and confirmation of diagnosis for a painful swelling (Non traumatic) at lower end of femur in a adolescent girl.

(2) Describe the intrinsic muscles of the hand. Discuss various surgical procedures to correct the claw hand.

II. Short notes : (10 × 5 = 50)

- (a) Arches of foot.
- (b) Hand deformities in rheumatoid arthritis.
- (c) Sacralisation.
- (d) Investigations in muscular dystrophy.
- (e) Snapping Hip.
- (f) Differential diagnosis of rickets.
- (g) Hyaline cartilage.
- (h) Recent trends in the management of spondylolisthesis.
- (i) Sinus tarsi.
- (j) Chemotherapy for osteosarcoma.

FEBRUARY 2005

[KM 208]

Sub. Code : 2219

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Orthopaedic Surgery

Part II

Paper II — ORTHOPAEDICS

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) Discuss the etiology, clinical presentation, investigations, management and complications of Tuberculosis of Dorsilumbar Spine.

(2) Describe pathological aspects of Osteogenic Sarcoma, Surgical grading and management of Osteogenic Sarcoma in lower end of femur.

II. Short notes : (10 × 5 = 50)

- (a) Congenital Radio-Ulnar Synostosis.
- (b) Skelital changes in scurvy.
- (c) Extensor expansion of index finger.
- (d) Gout.
- (e) Compound palmar ganglion.
- (f) Spine-Ventossa.
- (g) Aneurysmal Bone Cyst.
- (h) Congenital psuedarturosis of Tibia.
- (i) Adolescent Coxa-Vara.
- (j) Precautions in surgical management of a HIV positive patient.

[KO 208] MARCH 2006 Sub. Code : 2219

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

ORTHOPAEDICS

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 diagram wherever necessary.

I. Essay questions : (2 × 15 = 30)

1. Discuss the clinical features and management of patient with hyperparathyroidism in relation to its skeletal involvement.

2. Describe the mechanism of destruction of articular cartilage in

- (a) Osteoarthritis
- (b) Tubercular arthritis
- (c) Septic arthritis.

II. Short notes : (10 × 5 = 50)

- (a) Synovial fluid.
- (b) Non articular rheumatism.
- (c) Clinical features and radiology in renal rickets.
- (d) Tendon transfer surgery for a high radial nerve injury at the level of spiral groove of humerus.
- (e) Cord bladder.
- (f) Neo-adjuvant chemotherapy.
- (g) Polio-virus.
- (h) Posterior instrumentation in correction of idiopathic scoliosis.
- (i) Skeletal changes in scurvy.
- (j) Snapping syndromes.

[KQ 206] MARCH 2007 Sub. Code : 2219

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

ORTHOPAEDICS

Common to

Part II — Paper II — (Old/New/Revised Regulations)
(Candidates admitted from 1988–89 onwards)

and

Paper III — (For candidates admitted from
2004–2005 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. Describe anatomy of hip joint. Discuss the principles, indications, advantages and disadvantages of osteotomies around hip. (20)

2. Describe development of vertebral column. Discuss spina bifida – the definition, classification, patho anatomy, presentation and management. (15)

3. Hansen's claw-hand-pathology and management in detail. (15)

II. Short notes : (6 × 5 = 30)

(a) Synovial fluid analysis in various orthopaedic conditions.

(b) Congenital Vertical Talus.

(c) Deformities of wrist and hand in rheumatoid arthritis, management in brief.

(d) Radiological features of Rickets.

(e) Deltoid contracture.

(f) Epidural steroid in low back ache.

SEPTEMBER 2007

[KR 210]

Sub. Code : 2217

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

ORTHOPAEDICS

Common to

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

(Candidates admitted upto 2004-05)

and

**Paper III — (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 blood supply of proximal end of femur. Discuss the etiopathology and management of AVN in 42-year old male deep-sea diver. (20)
2. Mention the algorithm for management of a polytrauma patient as per ATLS guidelines. (15)
3. Describe the etiopathogenesis of VIC of forearm and its management in established case of VIC. (15)

II. Short notes :

(6 × 5 = 30)

- (a) Brown sequard syndrome
 - (b) Congenital vertical talus
 - (c) Osteoid osteoma
 - (d) Symes amputation
 - (e) Swan neck deformity
 - (f) Ceramics in arthroplasty.
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March-2008

[KS 210]

Sub. Code : 2217

M.S. DEGREE EXAMINATION.

Branch II — Orthopaedic Surgery

ORTHOPAEDICS

Common to

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

(Candidates admitted upto 2003–2004)

and

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

Q.P. Code : 222217

Time : Three hours

Maximum : 100 marks

I. Essay Questions : (2 × 20 = 40)

1. Discuss various causes of Rocker–Bottom foot and describe Management of congenital vertical talus.

2. Discuss in detail the aetopathology of slipped Capital Femoral Epiphysis. How would you diagnose and Manage such a case?

II. Short questions :

(10 × 6 = 60)

1. Sprengels shoulder.
2. Discoid Meniscus.
3. Crystal Synovitis.
4. Thoracic outlet syndrome.
5. Caudo equina syndrome.
6. Glomus Tumor.
7. Stress Fracture.
8. Bone scan in orthopaedics.
9. Brodie's Abscess.
10. Neurofibromatosis in Orthopaedics.

September 2008

[KT 210]

Sub. Code: 2217

M.S. DEGREE EXAMINATION

Branch II – Orthopaedic Surgery

ORTHOPAEDICS

Common to

Part II – Paper II – (Old/New/Revised Regulations)

(Candidates admitted upto 2003-04)

and

Paper III – (For candidates admitted from 2004-2005 onwards)

Q.P. Code : 222217

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the pathological anatomy in congenital dislocation of the hip at five years of age. What are the methods of assessing & managing this problem at that age.
2. Discuss investigations for primaries in a patient having secondaries in the lower thoracic spine. How do you manage such a case?

II. Write short notes on :

(10 X 6 = 60)

1. Congenital pseudoarthrosis of tibia.
 2. Tourniquet palsy.
 3. Renal Rickets.
 4. Triple Deformity of knee.
 5. Anatomical basis of trendelenberg gait.
 6. Giant cell tumors.
 7. Complex Regional Pain Syndrome.
 8. Avascular necrosis of femoral head – causes and classification/grading.
 9. C.T. guided biopsy.
 10. Blount's Disease.
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March 2009

[KU 210]

Sub. Code: 2217

M.S. DEGREE EXAMINATION

Branch II – ORTHOPAEDIC SURGERY

Common to

Part II – Paper II – (Old/New/Revised Regulations)

(Candidates admitted upto 2003-04) and

Paper III – (For candidates admitted from 2004-2005 to 2007-08)

ORTHOPAEDICS

Q.P. Code : 222217

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss the patho physiology of osteoarticular tuberculosis. Outline the management of caries spine at D10 level with paraparesis.
2. Discuss the classification, clinical features and investigations in osteogenic sarcoma. Outline the management of osteogenic sarcoma of distal femur in a 15 year old boy.

II. Write short notes on :

(10 x 6 = 60)

1. Hemophilic arthropathy.
2. Synovial chondromatosis.
3. Far lateral disc lesion.
4. Central cord syndrome.
5. Compound palmar ganglion.
6. Deltoid fibrosis.
7. Myositis ossificans progressiva.
8. Intrinsic plus hand.
9. Parsonage turner syndrome.
10. Deep vein thrombosis.

September 2009

[KV 210]

Sub. Code: 2217

M.S. DEGREE EXAMINATION

Branch II – ORTHOPAEDIC SURGERY

Common to

Part II – Paper II – (Old/New/Revised Regulations)

(Candidates admitted upto 2003-04) and

Paper III – (For candidates admitted from 2004-2005 to 2007-08)

ORTHOPAEDICS

Q.P. Code : 222217

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss etiopathogenesis, clinical features, diagnosis, management and complications of multiple myeloma.
2. Define Avascular necrosis. Discuss the classification, etiology, clinical features and management of avascular necrosis of head of femur.

II. Write short notes on :

(10 x 6 = 60)

1. Congenital torticollis.
2. Simple bone cyst.
3. Spina ventosa.
4. Osteoid osteoma.
5. Chondro calcinosis.
6. Carpal tunnel syndrome.
7. Meniscal cyst.
8. Keinbock's disease.
9. Foot-drop.
10. Pyogenic discitis.
