

March 2010

[KW 210]

Sub. Code: 2238

M.S. DEGREE EXAMINATION

Branch II – ORTHOPAEDIC SURGERY

Paper III – (for candidates admitted from 2004-05 to 2007-08)

Part II –Paper II – (for candidates admitted from 2008-09 onwards)

ORTHOPAEDICS INCLUDING RECENT ADVANCES

Q.P. Code : 22238

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Describe osteoarticular changes in a haemophilic. How will you manage a 35 yr. old male with painful haemophilic arthritis of knee?
2. Define and classify coxavara. How will you evaluate and manage coxavara in a ten year old child?

II. Write short notes on :

(10 x 6 = 60)

1. Spondylo epiphyseal dysplasia.
2. Solitary plasmacytoma.
3. Tarsal tunnel syndrome.
4. Maffucci's syndrome.
5. Juvenile rheumatoid arthritis.
6. Torticollis.
7. Triple deformity of knee.
8. Ponseti technique of CTEV correction.
9. Compound palmar ganglion.
10. Vertebroplasty.

September 2010

[KX 210]

Sub. Code: 2238

M.S. DEGREE EXAMINATION

Branch II – Orthopaedic Surgery

ORTHOPAEDICS INCLUDING RECENT ADVANCES

**Paper III – (for candidates admitted from 2004-05 to 2007-08) and
Part II - Paper II – (for candidates admitted from 2008-09 onwards)**

Q.P. Code : 222238

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe etiopathology, clinical features and management of slipped capital femoral epiphysis in a 12 year old child.
2. Discuss pathology, clinical features and management of Osteosarcoma of proximal tibia.

II. Write short notes on :

(10 X 6 = 60)

1. Spina bifida occulta.
2. Wrist drop.
3. Discoid meniscus.
4. Gun stock deformity.
5. Brodies abscess.
6. De Quervain's disease.
7. Osgood Schlatter's disease.
8. Thoracic outlet syndrome.
9. High tibial osteotomy.
10. Synthetic Bone Graft Substitutes.

May 2011

[KY 210]

Sub. Code: 2238

M.S. DEGREE EXAMINATION

BRANCH II – ORTHOPAEDIC SURGERY

ORTHOPAEDICS INCLUDING RECENT ADVANCES

Q.P. Code : 222238

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. How will you manage a 7 years old child with Recurrent CTEV. Describe various options. | 11 | 35 | 15 |
| 2. How will you systematically analyse lower limb deformities and find out the apex of the deformity. Briefly describe the methods of corrections. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|---------------------------------------|---|----|---|
| 1. Pyknodysostosis. | 4 | 10 | 7 |
| 2. SLAP lesion. | 4 | 10 | 7 |
| 3. Congenital bowing of Tibia. | 4 | 10 | 7 |
| 4. Ulnar claw hand. | 4 | 10 | 7 |
| 5. Osteoid osteoma. | 4 | 10 | 7 |
| 6. Bennett's fracture dislocation. | 4 | 10 | 7 |
| 7. Rotating platform knee prosthesis. | 4 | 10 | 7 |
| 8. Hyper Abduction Syndrome. | 4 | 10 | 7 |
| 9. Varus derotation osteotomy. | 4 | 10 | 7 |
| 10. Ceramics in orthopaedics. | 4 | 10 | 7 |

October 2011

[KZ 210]

Sub. Code: 2238

M.S. DEGREE EXAMINATION
BRANCH II – ORTHOPAEDIC SURGERY
ORTHOPAEDICS INCLUDING RECENT ADVANCES

Q.P. Code : 222238

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. Discuss the aetiopathogenesis. Clinical features, types of developmental dysplasia of hip (DDH). Discuss the management in regard with various age group and with a note on recent advances. | 11 | 35 | 15 |
| 2. Discuss the various causes of secondary O.A of hip joint. Describe in detail the surgical management of the same in a 30 year old. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Cryotherapy. | 4 | 10 | 7 |
| 2. Rotating platform knee Prosthesis. | 4 | 10 | 7 |
| 3. Birmingham hip surface Replacement. | 4 | 10 | 7 |
| 4. Sir John Charnley and his Concepts. | 4 | 10 | 7 |
| 5. Staging of Malignant bone tumours – Recent advances. | 4 | 10 | 7 |
| 6. Ceramics in Orthopaedics. | 4 | 10 | 7 |
| 7. High Tibial Osteotomy and its current role. | 4 | 10 | 7 |
| 8. Rotator Cuff Arthropathy. | 4 | 10 | 7 |
| 9. Distraction Osteogenesis. | 4 | 10 | 7 |
| 10. Triple Deformity of Knee. | 4 | 10 | 7 |

APRIL 2012

[LA 210]

Sub. Code: 2238

M.S. DEGREE EXAMINATION
BRANCH II – ORTHOPAEDIC SURGERY

ORTHOPAEDICS INCLUDING RECENT ADVANCES

Q.P. Code : 222238

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. Classification diagnosis and management of avascular necrosis of hip. | 16 | 35 | 15 |
| 2. Discuss the various aetiologies and modalities of treatment of Genu Varum. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Diagnosis and treatment methods in Osteoporosis. | 4 | 10 | 7 |
| 2. Etiology and management of Recurrent dislocation of patella. | 4 | 10 | 7 |
| 3. Management of Osteosarcoma of distal femur. | 4 | 10 | 7 |
| 4. Write notes on Flurosis. | 4 | 10 | 7 |
| 5. Mention the types and treatment of Femoro acetabular impingement. | 4 | 10 | 7 |
| 6. Head at risk signs in Perthes disease. | 4 | 10 | 7 |
| 7. Diagnosis and management of Carpel tunnel syndrome. | 4 | 10 | 7 |
| 8. Elaborate on Posterior lumbar interbody fusion. | 4 | 10 | 7 |
| 9. Management of neglected club foot in 8 year old child. | 4 | 10 | 7 |
| 10. Write notes on Complex pain syndrome II (Pseudeck osteodystrophy). | 4 | 10 | 7 |

[LC 210]

APRIL 2013

Sub. Code: 2238

**M.S. DEGREE EXAMINATION
BRANCH II – ORTHOPAEDIC SURGERY
ORTHOPAEDICS INCLUDING RECENT ADVANCES**

Q.P. Code : 222238

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. What are the types of Osteomyelitis ? Clinical features, investigation and treatment for chronic Non Specific Hematogenous Osteomyelitis.
2. Etiopathology, clinical features and management of Recurrent anterior Dislocation of shoulder.

II. Write notes on:

(10 x 7 = 70)

1. Chondro Calcinosis
2. Electro physiological studies of peripheral nerve
3. Rupture Tendo Achilles.
4. Median Nerve Palsy.
5. Osteopetrosis (Marble Bone Disease)
6. Stabilising Operations of foot.
7. Knee Flexion Contracture in Polio.
8. Arthrodesis of Hip.
9. Reflex Sympathetic Osteodystrophy.
10. Kienbock's Disease.

[LD 210]

OCTOBER 2013

Sub. Code: 2238

**M.S. DEGREE EXAMINATION
BRANCH II – ORTHOPAEDIC SURGERY
ORTHOPAEDICS INCLUDING RECENT ADVANCES**

Q.P. Code : 222238

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Describe the classification and the radiological diagnosis of bone tumours.
How will you treat a case of giant cell tumour of the distal radius in a 30 year old lady?
2. Describe the pathological anatomy of congenital talipes equinovarus.
Discuss the management of a case of neglected congenital talipes equinovarus in a 6 year old boy.

II. Write notes on:

(10 x 7 = 70)

1. Osteomalacia.
2. Developmental Coxa vara.
3. Loose bodies in knee.
4. Tarsal tunnel syndrome.
5. Shoulder arthrodesis.
6. Compound palmar ganglion.
7. Osteomyelitis in HIV disease.
8. Atypical presentations of spinal tuberculosis.
9. Hindquarter amputation.
10. Biological agents for the treatment of rheumatoid arthritis.

(LE 210)

APRIL 2014

Sub. Code:2238

M.S. DEGREE EXAMINATION
BRANCH II – ORTHOPAEDIC SURGERY
ORTHOPAEDICS INCLUDING RECENT ADVANCES
Q.P.Code: 222238

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss in detail on the management of fracture shaft of humerus with radial nerve injury.
2. Describe the clinical assessment and management of a malunited supra condylar fracture with cubitus varus deformity in a 10 year old boy.

II. Write notes on:

(10X7=70)

1. Avascular necrosis femoral head stage IIa management.
2. TLIF.
3. Dome osteotomy.
4. Radiological features of rickets.
5. Pseudoarthrosis tibia.
6. Surgical precautions in HIV.
7. Tendon transfer for radial nerve palsy.
8. Congenital coxa vara.
9. Clinical diagnosis of cauda equina.
10. Osteoid osteoma – recent trend in management.

(LF 210)

OCTOBER 2014

Sub. Code:2238

M.S. DEGREE EXAMINATION

BRANCH II – ORTHOPAEDIC SURGERY

PAPER III - ORTHOPAEDICS INCLUDING RECENT ADVANCES

Q.P.Code: 222238

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify Coxa vara and discuss the current trends in management of Slipped capital femoral epiphysis.
2. Describe the staging and classification of Tuberculosis of Hip and write a note on its management.

II. Write notes on:

(10 x 7 = 70)

1. Diagnosis and treatment methods in Osteoporosis.
2. Clinical examination and investigations in scoliosis.
3. Flat foot.
4. Blount's disease.
5. Neuropathic joint.
6. Examination and investigation of osteo sarcoma and add a note on the types of osteosarcoma.
7. Kienbock's disease.
8. Osteogenesis imperfecta.
9. Crystal deposition disorder.
10. Etiology and classification of Avascular necrosis of femoral head.
