

M.S. DEGREE EXAMINATION, MARCH 1990.

Branch II — Orthopaedic Surgery

Part II

ORTHOPAEDIC SURGERY INCLUDING PATHOLOGY

Time : Three hours.

Answer ALL the questions.

1. Describe calcium metabolism. What are the metabolic effects of excessive secretion of parathyroid gland?
2. Discuss the morbid anatomy of club foot. How would you treat a case of relapsed club foot?

Write notes on :

- (a) Chondroblastoma.
  - (b) Alkaptonuria.
  - (c) Non-union of fracture.
  - (d) Loose bodies.
  - (e) Maffucci's syndrome.
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M.S. DEGREE EXAMINATION, OCTOBER 1990

Branch II — Orthopaedic Surgery

Part II

Paper I — ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time: Three hours

Discuss the aetiology and pathology of spondylolysis. How will you manage this condition in a 35 year old patient with sciatica?

Discuss the diagnosis of lesions of semilunar cartilage of knee joint.

Write notes on:

- (a) Fanconi's syndrome.
- (b) Compound palmar ganglion.
- (c) Strength duration curve.
- (d) Glomus tumour.
- (e) Secondary hyperparathyroidism.

## MARCH 1991

M.S. DEGREE EXAMINATION, MARCH 1991

Branch II — Orthopaedic Surgery

Part II

Paper — ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time: Three hours.

Answer ALL the questions.

1. Discuss the aetio-pathology and management of recurrent dislocation patella.
2. Discuss the diagnosis and treatment of spinal stenosis.
3. Write notes on:
  - (a) Muscle grafts in nerve repair.
  - (b) Modified Denis-Brown splint.
  - (c) Pulsed electro-magnetic field in non-union.
  - (d) Grades in Perthe's disease.
  - (e) Ender nails in femoral fractures.

M. S. DEGREE EXAMINATION, SEPTEMBER 1991.

Orthopaedic Surgery

Part II

Paper I — ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

*Time: Three hours. Maximum: 100 marks.*

1. Discuss the diagnosis of malignant bone tumours.  
(25 marks)
  2. Outline the management of secondary osteoarthritis hip.  
(25 marks)
  3. Write notes on:
    - (a) Vascularised bone graft
    - (b) Hastings bipolar hemiarthroplasty hip
    - (c) Neonatal osteomyelitis
    - (d) Air embolism in arthroscopy
    - (e) Oxford knee replacement (5 × 10 = 50 marks)
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## MARCH 1992

M.S. DEGREE EXAMINATION, MARCH 1992.

Branch II — Orthopaedic Surgery

Part II

Paper I — ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time Three hours

Maximum 100 marks

Answer ALL questions

1. Discuss the clinical, pathological and radiological features and the management of Tuberculosis of the hip joint. (25)
2. Outline the management of the lower extremities of children with Cerebral Palsy. (25)

Write notes on :

- (a) Surface replacement arthroplasty.
- (b) Pilon fractures.
- (c) Synovial fluid analysis.
- (d) Eosinophilic granuloma.
- (e) Fractures at the base of the thumb.

(5 × 10 = 50)

## SEPTEMBER 1992

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M.S. DEGREE EXAMINATION SEPTEMBER, 1992

Branch II - Orthopaedic Surgery

### PART II

Paper I - ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time: Three hours                      Maximum: 100 marks

Answer ALL questions

1. Describe the epiphyses around the Elbow. Discuss the Mechanism of injury, signs and symptoms, complications and management of Epiphyseal injury to Lateral condyle of Humerus. (25 marks)
2. Describe the injuries involving the Dorso-lumbar spine. Discuss the management and Rehabilitation. (25 marks)
3. Write short notes on:
  - (a) Synovial plicae
  - (b) Interferential Therapy
  - (c) Anterior Interosseous Nerve syndrome
  - (d) Dactylitis
  - (e) Immediate post surgical limb fitting

(5x10=50 marks)

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18] **MARCH 1993**

**M.S. DEGREE EXAMINATION, MARCH 1993**

**Branch II -- Orthopaedic Surgery**

**Part II**

**Paper -- ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY**

**Three hours**

**Answer ALL the questions.**

**Discuss the indications and contraindications for  
revision surgery in Failed Hip Replacement.**

**Discuss the differential diagnosis and outline the  
treatment of back pain in children and adolescents.**

**Write short notes on :**

- (a) Dysbaric Osteonecrosis.**
- (b) Idiopathic Chondrolysis of Hip.**
- (c) Orthopaedic problems associated with diabetes  
mellitus.**
- (d) Soft Tissue Ewing's Tumour.**
- (e) Melorheostosis.**

JM 1125]

**APRIL 1994**

**M.S. DEGREE EXAMINATION**

**Branch II — Orthopaedic Surgery**

**(Old/New Regulations)**

**Part II**

**Paper — ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY**

**Time: Three hours**

**Maximum: 100 marks**

**Answer ALL questions**

**Describe the Biomechanics of Gait. What are the different types of limp? Discuss the causes. (25)**

**Discuss the pathology and differential diagnosis of osteolytic lesions of long bones. Mention briefly the management of any one such condition. (25)**

**Write short notes on:**

- (a) Alkaptonuria.**
- (b) Arthroscopy.**
- (c) Immunotherapy.**
- (d) Crush Syndrome.**
- (e) PLIF.**

**(5 × 10 = 50)**



[ND 227]

**NOVEMBER 1994**

**M.S. DEGREE EXAMINATION**

**Branch II -- Orthopaedic Surgery**

**(Old/New Regulations)**

**Part II**

**Paper I -- ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Describe the role of metallic implants in orthopaedic surgery. Mention the desirable characteristics of such implant. (25)
2. Describe the aetiology, pathology, diagnostic features and management of a case of Volkman's ischaemic contracture of the forearm. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Fracture Disease.
  - (b) Multiple Myeloma.
  - (c) Cryosurgery.
  - (d) H.O. Thomas.
  - (e) M.R.I. in orthopaedics.

[SB 228]

**APRIL 1995**

**M.S. DEGREE EXAMINATION.**

**Branch II – Orthopaedic Surgery**

**(Old/New Regulations)**

**Part II**

**Paper I – ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Discuss the Aetiology, Pathology, clinical manifestation and treatment of avascular necrosis of femoral head in a 45 year man. (25)
2. Discuss all about Lumbar disc prolapse and the treatment in a 45 years old man. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) High tibial osteotomy.
  - (b) Prophylactic antibiotics in orthopaedics.
  - (c) Gluteus maximus gait.
  - (d) Bristow operation.
  - (e) Arthrogryposis multiplex congenita.

PK 173

OCTOBER 1996

M.S. DEGREE EXAMINATION

Branch II-Orthopaedic Surgery

(Old/New Regulations)

Part II

Paper I - ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time: Three hours

Max.marks:

Answer All Questions

Discuss the aetiology, pathology and clinical manifestation of Osteoporosis. How will you treat a 45 year old lady who is suffering from Osteoporosis? (25)

2. What is the modern concept of treatment of Osteo sarcoma? Discuss the various methods of treatment of Osteo sarcoma involving distal femur. (25)

3. Write briefly on:

(a) Rickets

(b) Spinal stenosis

(c) Tourniquet in orthopaedics

(d) Bone graft

(e) Crystal synovitis.

(5x10=50)

MP 195

APRIL 1997

M.S. DEGREE EXAMINATION

Branch II - Orthopaedic Surgery

(Old/New Regulations)

Part II

Paper I - ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time: Three hours

Max. marks: 100

Answer All Questions

1. Describe the pathology of T.B. Spine.  
Describe the causes of paraplegia in  
caries spine. Describe the management of  
Pott's paraplegia. (25)
2. Describe the pathology, signs, symptoms,  
diagnosis and management of congenital  
dislocation of hip. (25)
3. Write briefly on:  
  - Genu Valgum
  - A.C.I. Tears
  - Cervical rib
  - Renal rickets
  - Fat pad sign.

(5x10=50)

MS 193

OCTOBER 1997

M.S. DEGREE EXAMINATION

Branch II - Orthopaedic Surgery  
(Old/New Regulations)

Part II

Paper I - ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Classify congenital club foot. Discuss aetiopathogenesis and management of congenital club foot.
2. Discuss the aetiopathogenesis and management of Recurrent dislocation of the Patella. (25)
3. Write briefly on:
  - (a) Rocker bottom foot
  - (b) Plasmacytoma
  - (c) Morquio-Brailsford disease
  - (d) Brown tumour
  - (e) Anaerobic myositis.

(5x10=50)

SV 205

APRIL 1998

M.S. DEGREE EXAMINATION

Branch II - Orthopaedic Surgery

(Old/New Regulations)

Part II

Paper I - ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the pathology of non-union of fracture. How do you manage non-union of Tibia following grade III compound fracture with bone loss in an adult?  
(25)
2. Discuss hospital infection with emphasis on prevention and treatment. (25)
3. Write briefly on:
  - (a) Amputation
  - (b) H L A in orthopaedics
  - (c) Histiocytosis 'X'
  - (d) Bence Jones Proteoses
  - (e) Chance Fracture.

(5x10=50)

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**[SM 205]      OCTOBER 1998**

**M.S. DEGREE EXAMINATION.**

**Branch II — Orthopaedic Surgery**

**(Old/New Regulations)**

**Part II**

**Paper I — ORTHOPAEDIC SURGERY INCLUDING  
PATHOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Discuss Calcium Metabolism. Classify Rickets and discuss its management. (25)
2. Define Poly-trauma. Discuss emergency care in a Poly-traumatised patient. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Compartmental syndrome.
  - (b) Incomplete Cervical Cord Syndromes.
  - (c) Psoas Abscess.
  - (d) Achondroplasia.
  - (e) Brown Tumor.