

February 2012

[LA 6158]

Sub. Code: 6158

**BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION
SECOND YEAR**

Paper IV– CLINICAL ORTHOPAEDICS AND RADIO DIAGNOSIS

Q.P. Code: 786158

Time: Three hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on: **(2 x 20 = 40)**

1. Outline the etiopathology, clinical features, complications of rheumatoid arthritis.
How do you manage rheumatoid hand?
2. Outline the clinical features, complications and management of Brachial plexus injuries. Add a note on reconstructive surgery.

II. Write notes on: **(8 x 5 = 40)**

1. Radial club hand
2. Osteo sarcoma
3. Colle's fracture
4. Fracture neck of femur
5. Pes planus
6. Radiological features of spinal tuberculosis
7. Reccurent dislocation of shoulder
8. MRI findings in intervertebral disc prolapse

III. Short Answers: **(10 x 2 = 20)**

1. Difference between dislocation and sublexation
2. X-Ray findings in rheumatoid arthritis knee
3. Cobb's angle
4. Galeazzi fracture dislocation
5. Common causes of Genu recurvatum
6. Bennett's fracture dislocation
7. Complications of amputation
8. X-Ray findings in Giant Cell Tumour
9. Phalen's test
10. Mallet finger

[LB 6158]

AUGUST 2012

Sub. Code: 6158

SECOND YEAR BOT EXAM

Paper – IV CLINICAL ORTHOPAEDICS
AND RADIO DIAGNOSIS

Q.P. Code: 786158

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

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

- | | | | |
|--|----|----|----|
| 1. Outline the clinical features, complications and management of supracondylar fracture of humerus. | 19 | 33 | 20 |
| 2. Outline the clinical features and management of congenital dislocation of Hip. | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|--|---|---|---|
| 1. Radial nerve injury. | 3 | 8 | 5 |
| 2. Idiopathic scoliosis. | 3 | 8 | 5 |
| 3. Tennis elbow. | 3 | 8 | 5 |
| 4. Posterior dislocation of hip. | 3 | 8 | 5 |
| 5. Reverse Colle's fracture. | 3 | 8 | 5 |
| 6. Giant cell tumour. | 3 | 8 | 5 |
| 7. Radiological feature of ankylosing spondylitis. | 3 | 8 | 5 |
| 8. Value of MRI in Brain injuries. | 3 | 8 | 5 |

III. Short Answers :

- | | | | |
|---|---|---|---|
| 1. Difference between open and closed fracture. | 1 | 5 | 2 |
| 2. X-Ray findings in Osteoarthritis of knee. | 1 | 5 | 2 |
| 3. Pathological type of leprosy. | 1 | 5 | 2 |
| 4. Causes of knock knee. | 1 | 5 | 2 |
| 5. Indications of amputation. | 1 | 5 | 2 |
| 6. Pott's fracture. | 1 | 5 | 2 |
| 7. Radiological features of rickets. | 1 | 5 | 2 |
| 8. X-Ray findings in Colle's fracture. | 1 | 5 | 2 |
| 9. Stump neuroma. | 1 | 5 | 2 |
| 10. Involucrum. | 1 | 5 | 2 |

[LC 6158]

FEBRUARY 2013

Sub. Code: 6158

SECOND YEAR BOT EXAM

**Paper – IV CLINICAL ORTHOPAEDICS
AND RADIO DIAGNOSIS**

Q.P. Code: 786158

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

Maximum : 100 marks

I. Elaborate on:

(2X20=40)

1. Hansens disease; clinical manifestation and management of Ulnar claw hand.
2. Recurrent dislocation of shoulder; mechanism, clinical features and management.

II. Write Notes on:

(8X5=40)

1. Erbs palsy.
2. Lumbar canal stenosis.
3. Osteoid osteoma.
4. Cervical spondylosis.
5. Osteomyelitis.
6. Avascular necrosis of femoral head.
7. Hand deformities in Rheumatoid Arthritis.
8. Enchondroma.

III. Short Answers :

(10X2=20)

1. Compound fracture.
2. Pott's spine.
3. Tennis elbow.
4. Causes of Genu valgum.
5. McMurray's test.
6. Colles fracture.
7. Jefferson's fracture.
8. Housemaid and Clergyman's knee.
9. Cardinal signs of Osteoarthritis.
10. Position of safe immobilization of hand.

[LD 6158]

AUGUST 2013

Sub. Code: 6158

SECOND YEAR BOT EXAM

PAPER IV – CLINICAL ORTHOPAEDICS AND RADIO DIAGNOSIS

Q.P. Code : 786158

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Describe the clinical features, complications and management of Colles Fracture.
2. Describe the pathology, radiological features, complications and management of Tuberculosis Hip.

II. Write Notes on:

(8X5=40)

1. Foot drop
2. Rheumatoid Hand
3. Giant cell Tumour
4. Radiological features of Osteoarthritis Knee
5. Pes planus
6. Value of CT scan in Brain injury
7. Painful Arc syndrome
8. Chronic Osteomyelitis.

III. Short Answers:

(10X2=20)

1. Causes of Wrist drop
2. Arthroplasty
3. Compound Fracture
4. Dislocation and subluxation
5. Radiological features of Rickets
6. Ultrasonogram
7. Monteggia fracture – dislocation
8. Mallet finger
9. Management of scoliosis
10. Radiological features of Osteosarcoma.

[LE 6158]

FEBRUARY 2014

Sub. Code: 6158

SECOND YEAR BOT EXAM

PAPER IV – CLINICAL ORTHOPAEDICS AND RADIO DIAGNOSIS

Q.P. Code : 786158

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Classify amputations. List the indication. Outline the pre-operative, operative and prosthetic management of transtibial Amputee.
2. Describe the clinical features, classification, complications and management of fracture neck of femur in a 65 years old male.

II. Write Notes on:

(8X5=40)

1. Wrist drop
2. Plantar faciitis
3. Club foot
4. Vlokman's Ischemic contracture
5. Osteosarcoma
6. Ankylosing spondylitis
7. Radiological features of Rheumatoid knee
8. Osteoporosis

III. Short Answer:

(10X2=20)

1. Pott's Fracture
2. Bennett's fracture dislocation.
3. Causes of foot drop
4. Complications of Colles' fracture
5. Radiological features of Ewing's sarcoma
6. Cobbs Angle
7. Osteotomy
8. DeQuervain's disease
9. Myositis ossificans
10. Carpal tunnel syndrome.

[LF 6158]

AUGUST 2014

Sub. Code: 6158

**SECOND YEAR BOT EXAM
PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS**

Q.P. Code : 786158

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Discuss the Etiology, clinical features and management of tuberculous osteomyelitis.
2. Outline the mechanism, clinical features and management of Acute cervical spine injury with quadriparesis.

II. Write Notes on:

(8X5=40)

1. Principles of knee arthroplasty
2. Stages of fracture healing
3. Classify amputation, list indications for surgery
4. Ulnar claw hand
5. Principles of internal fixation
6. Congenital talipes equinovarus
7. Aneurysmal bone cyst
8. Flexor tendon injuries of forearm and hand

III. Short Answer:

(10X2=20)

1. Galeazi fracture
2. Types of shoulder dislocation
3. Clinical diagnostic tests for anterior cruciate ligament injury
4. Radiological features of rickets
5. Jone's tendon transfer
6. Causes of avascular necrosis of femoral head
7. Shoulder hand syndrome
8. Ankle sprain management
9. Foot drop
10. Local signs and symptoms of long bone fractures

[LG 6158]

FEBRUARY 2015

Sub. Code: 6158

**SECOND YEAR BOT EXAMINATION
PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS**

Q.P. Code : 786158

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Outline the etiopathology, types, clinical features and management of Brachial plexus injury.
2. Discuss in detail about Osteomyelitis – Definition, clinical features, types causes, management and complications.

II. Write notes on:

(8 x 5 = 40)

1. Osteotomy
2. Phantom Limb pain
3. Galeazzi fracture dislocation
4. Tennis elbow
5. Osteo sarcoma
6. Pott's spine
7. Radiological features of giant cell tumour
8. Radiological features of Ankylosing spondylitis

III. Short answers on:

(10 x 2 = 20)

1. Ulnar claw hand
2. Define osteoporosis
3. Z thumb deformity
4. Plaster of Paris
5. Klumpkey's paralysis
6. X-ray findings in club foot
7. Causes of foot drop
8. Green stick fracture
9. Difference between dislocation and subluxation
10. Causes of amputation

[LH 6158]

AUGUST 2015

Sub. Code: 6158

B.O.T. DEGREE EXAMINATION

SECOND YEAR

PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS

Q.P. Code: 786158

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Write briefly about anterior shoulder dislocation, its clinical manifestations, management and complications.
2. Describe the pathology, clinical features, complications and management of TB spine.

II. Write notes on:

(8 x 5 = 40)

1. Colle's fracture.
2. Phantom limb.
3. Ewings sarcoma.
4. Rotator cuff tear.
5. Club foot.
6. Management of fracture non union.
7. Radiological features of Osteosarcoma.
8. Radiological features of Rickets.

III. Short Answers on:

(10 x 2 = 20)

1. Erb's point.
2. McMurray's test
3. Stages of fracture healing
4. Define Osteomyelitis
5. Define Q angle
6. Types of leprosy
7. Hallux valgus
8. Complications of supra condylar fracture of humerus
9. Bamboo spine
10. Osteo arthritis knee – X-ray findings

[LI 6158]

FEBRUARY 2016

Sub. Code: 6158

**SECOND YEAR BOT EXAMINATION
PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS**

Q.P. Code : 786158

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the clinical features, radiological features, management and complications of Fracture Neck of Femur?
2. What are the clinical features, radiological features and treatment of Supra condylar fracture of humerus?

II. Write notes on:

(8 x 5 = 40)

1. Below knee amputation.
2. Rheumatoid Hand.
3. Osteo clastoma.
4. Foot drop.
5. Sudeck's Osteo dystrophy.
6. Osteo sarcoma.
7. Causes for low back pain.
8. Volkmann's Ischemic contracture.

III. Short answers on:

(10 x 2 = 20)

1. Mallet finger.
2. Radiological features of Colle's fracture.
3. Dislocation.
4. Pen Test.
5. Neuropraxia.
6. Arthroplasty.
7. Radiological features in OA knee.
8. Plantar fasciitis.
9. Erb's palsy.
10. Straight Leg Raising (SLR) Test.

[LJ 6158]

AUGUST 2016

Sub. Code: 6158

**SECOND YEAR BOT EXAMINATION
PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS**

Q.P. Code: 786158

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the clinical features, radiological features, management and complications of Colle's fracture?
2. What are the types, clinical features, radiological features and treatment of Osteoarthritis knee?

II. Write notes on:

(8 x 5 = 40)

1. Shoulder Hand Syndrome.
2. Carpal Tunnel Syndrome.
3. Stump care.
4. Congenital Talipes Equino Varus (CTEV) deformity.
5. Wrist drop.
6. Scoliosis.
7. Osteomyelitis.
8. Myositis ossificans.

III. Short answers on:

(10 x 2 = 20)

1. Radiological features in Rickets.
2. Polio virus.
3. Subluxation.
4. Fracture disease.
5. Tinel sign.
6. Arthrodesis.
7. Radiological features in Ankylosing spondylosis.
8. Flat foot.
9. Froment's sign.
10. Non union.

[LK 6158]

FEBRUARY 2017

Sub. Code: 6158

**BOT DEGREE EXAMINATION
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS
Q.P. Code: 786158**

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define Dislocation. Write in detail about mechanism of injury, clinical features, investigations and treatment of anterior dislocation of shoulder.
2. Classify Bone Tumours. Write in detail about clinical features, investigations and treatment of Osteosarcoma.

II. Write notes on: **(8 x 5 = 40)**

1. Bone grafting.
2. External fixation.
3. Ankle sprain.
4. Compartment syndrome.
5. Complications of spinal injuries.
6. Recurrent dislocation of patella.
7. X-ray finding of Rheumatoid Arthritis.
8. Septic arthritis.

III. Short answers on: **(10 x 2 = 20)**

1. Tropic ulcer.
2. Ulnar claw hand.
3. Osteoporosis.
4. MRI spinal cord.
5. Arthrodesis.
6. Plaster of paris.
7. Below knee prosthesis.
8. Treatment of Colle's fracture.
9. Myositis ossificans.
10. Fracture healing.

[LL 6158]

AUGUST 2017

Sub. Code: 6158

BOT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2013-2014 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS
Q.P. Code: 786158

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. What are the fractures common in elderly? Describe aetiology, clinical features and treatment of fracture neck of femur.
2. Describe aetiology, clinical features, treatment, complications of osteomyelitis.

II. Write notes on: **(8 x 5 = 40)**

1. Ankylosing Spondylitis.
2. Role of ultrasound in orthopaedics.
3. Fat embolism.
4. Post polio residual paralysis.
5. Scoliosis.
6. Benign bone tumours.
7. Foot drop.
8. Tendon Injury.

III. Short answers on: **(10 x 2 = 20)**

1. Shoulder-Hand syndrome.
2. Ankle sprain.
3. Treatment of Osteosarcoma.
4. X-ray findings of spine injury.
5. Plaster of Paris.
6. Complications of leprosy.
7. External fixation.
8. Open fractures.
9. Galeazzi Fracture dislocation.
10. Myositis ossificans.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 6158]

FEBRUARY 2018

Sub. Code: 6158

BOT DEGREE EXAMINATION

(Regulations for the candidates admitted from 2013-2014 onwards)

SECOND YEAR

PAPER IV – CLINICAL ORTHOPAEDICS, RADIO DIAGNOSIS

Q.P. Code: 786158

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe aetiology, clinical features, investigations and treatment of Septic Arthritis.
2. What are the causes for back pain? Describe clinical features, investigations and treatment of Lumbar disc prolapsed.

II. Write notes on:

(8 x 5 = 40)

1. Osteoarthritis.
2. Malunited Colle's fracture.
3. Role of CT scan in fractures.
4. Principles of arthroplasty.
5. Wrist drop.
6. Treatment of Giant cell tumour.
7. CTEV.
8. Deformities in poliomyelitis.

III. Short answers on:

(10 x 2 = 20)

1. Fracture disease.
2. Fat embolism.
3. Monteggia fracture dislocation.
4. Patella fracture.
5. Genu valgum.
6. Neuropraxia.
7. Below knee amputation.
8. Rheumatoid hand.
9. X-ray findings of TB spine.
10. Meningo myelocoele.
