

[LJ 6178]

AUGUST 2016

Sub. Code: 6178

SECOND YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

Time: Three hours

Maximum: 100 Marks

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

1. Classify Spinal deformities and outline the salient clinical features, management and complications.
2. Classify and outline the clinical features, management and complications of Ewing sarcoma of femur.

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

1. Smith fracture.
2. Osteochondroma.
3. Tuberculosis of hip joint.
4. Dislocation of elbow.
5. Osteoarthritis of knee joint.
6. Swan neck deformity.
7. Radiological features of chronic osteomyelitis.
8. Management of gap non union of femur shaft.

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

1. Anterior drawer test knee joint.
2. Patellar tendon bearing cast.
3. Pulled elbow.
4. Acute osteomyelitis.
5. Shoulder impingement syndrome.
6. Radiological features of rheumatoid arthritis knee.
7. Bone grafting.
8. Indications for tendon transfer.
9. Vertical talus.
10. Define Orthosis.

[LK 6178]

FEBRUARY 2017

Sub. Code: 6178

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

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 Supracondylar fractures of Femur?
2. What are the indications, contraindications and principles of Arthrodesis?

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

1. Shoulder hand syndrome.
2. Complications of open fractures.
3. Osteoid osteoma.
4. Meningomyelocele.
5. Management of post polio residual paralysis.
6. Septic arthritis of knee joint.
7. High radial nerve palsy.
8. Management of extensor tendon injuries of hand.

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

1. Radiological features of osteoporosis.
2. Crutch palsy.
3. Hand deformities in leprosy.
4. Subacute osteomyelitis.
5. Recurrent dislocation of shoulder.
6. Achilles tendinitis.
7. Flat foot.
8. Arthrogryphosis multiplex congenita.
9. Lachman test.
10. What is 'Ulnar paradox'?

[LL 6178]

AUGUST 2017

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BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

Time: Three hours

Maximum: 100 Marks

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

1. Classify Amputations. List the indication, outline the preoperative, operative and prosthetic management of transtibial amputee.
2. Outline etiopathology clinical features, complications of Rheumatoid Arthritis. How do you manage Rheumatoid hand?

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

1. Stages of fracture healing.
2. Leprosy.
3. Carpel tunnel syndrome.
4. Classification of tumours.
5. Plantar facitis.
6. Kyphosis.
7. Orthotic applications in poliomyelitis.
8. Types of radio diagnostic methods.

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

1. Difference between dislocation and subluxation.
2. Myositis ossification.
3. Principles of tendon transfer.
4. Classification of sprain.
5. Causes for recurrent dislocation of Patella.
6. List out the X-ray of findings in Ankylosing spondylitis.
7. Rickets.
8. Tropic ulcer.
9. Pesplanus.
10. Saturday night palsy.

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

[LM 6178]

FEBRUARY 2018

Sub. Code: 6178

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014 -2015 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

Time: Three hours

Maximum: 100 Marks

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

1. Classify bone tumours. Discuss the clinical features, diagnosis and management of giant cell tumour of proximal tibia.
2. Describe about the clinical features, etiology, classification and management of scoliosis.

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

1. Ulnar claw hand.
2. Principles of internal fixation.
3. Ankylosing spondylitis.
4. Painful Arc syndrome.
5. Arthroplasty.
6. Causes of lowback ache.
7. Value of MRI in brain injury.
8. Monteggia fracture.

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

1. Clinical diagnostic tests for Anterior cruciate ligament injury.
2. Sudecks dystrophy.
3. Tardy Ulnar nerve palsy
4. Difference between open and closed fracture.
5. Causes of knock knee.
6. Potts fracture.
7. Involucrum.
8. Cobb's angle.
9. Common causes of Genu recurvatum.
10. Mallet finger.

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

[LN 6178]

AUGUST 2018

Sub. Code: 6178

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

Time: Three hours

Maximum: 100 Marks

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

1. Discuss in detail the levels of amputation and its causes. Give a brief outline on the pre-operative, post-operative and prosthetic management.
2. Outline the etiology of Ankylosing spondylitis, describe briefly its management and the role of exercise.

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

1. Claw hand.
2. Idiopathic scoliosis.
3. Rheumatoid hand.
4. Compound fracture.
5. Complication of lower limb fracture.
6. TB Spine.
7. Osteoma.
8. Periarthritis shoulder.

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

1. Define kyphoscoliosis.
2. Define difference between dislocation and subluxation.
3. Define sprain and strain.
4. Cold Abscess.
5. Central dislocation of Hip.
6. List the levels of upper limb amputation.
7. Osteomyelitis.
8. Stages of bone healings.
9. List the types of Leprosy.
10. Management of fracture neck of femur.

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

[LO 6178]

FEBRUARY 2019

Sub. Code: 6178

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

Time: Three hours

Maximum: 100 Marks

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

1. Describe the clinical features, complication, and management of a patient with fracture of D8 Vertebra with paraplegia.
2. Outline the etiopathology of Rheumatoid arthritis. Describe the deformities.

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

1. Tennis Elbow.
2. Shoulder hand syndrome.
3. CTEV.
4. Klumpkey's Palsy.
5. Fracture Clavical.
6. Causes and complication of Below Elbow Amputation.
7. Ankylosing Spondylitis.
8. Clinical features and management for Malignant Tumors.

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

1. Mallet Finger.
2. Myositis Ossification.
3. List the types of fracture.
4. Erbs palsy.
5. Cold Abcess.
6. Bartons fracture.
7. Triple dislocation.
8. Subluxation.
9. Bamboo spine.
10. Carpal tunnel syndrome.

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

[LP 6178]

AUGUST 2019

Sub. Code: 6178

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

Time: Three hours

Maximum: 100 Marks

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

1. Explain Colle's fracture with etiology, features, deformity and complications.
2. Define Septic Arthritis. Explain the etiology, clinical features, management and complications.

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

1. MRC grading of muscle power.
2. Criteria for tendon transfer.
3. Difference between ankylosis and arthrodesis.
4. Types of fractures, describe about open fracture.
5. Radiological features of osteo sarcoma and ewings sarcoma.
6. Management of Rheumatoid Arthritis.
7. Claw hand.
8. Radial nerve palsy.

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

1. Galeazzi fracture.
2. Painful arc syndrome.
3. Golfers elbow.
4. Rocker bottom deformity.
5. Foot drop.
6. Sudecks osteodystrophy.
7. Bone grafting.
8. Green stick fracture.
9. Volkmans sign.
10. Trophic ulcer.

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

[LQ 6178]

FEBRUARY 2020

Sub. Code: 6178

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
SECOND YEAR
PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code: 786178

Time: Three hours

Maximum: 100 Marks

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

1. Describe the pathogenesis, clinical features, investigations and management of Osteoarthritis of Knee joint.
2. Outline the clinical features, investigations and management of Brachial Plexus injuries.

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

1. Volkmann's ischaemic contracture.
2. Recurrent dislocation of Patella.
3. Complications of Amputation.
4. Post Polio Residual Paralysis.
5. Congenital Talipes Equinovarus Foot.
6. Meningomyelocele.
7. Septic Arthritis.
8. Osteoclastoma.

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

1. Genu Recurvatum.
2. Dinner fork deformity.
3. Ankle Sprain.
4. Shoulder hand syndrome.
5. Pes cavus.
6. Monteggia fracture.
7. Diagnostic test for anterior cruciate ligament injury.
8. Tennis elbow.
9. Osteomyelitis.
10. Supraspinatus tendinitis.

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

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 6178

**BOT DEGREE EXAMINATION
SECOND YEAR
(New regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS
Q.P. Code: 786178**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

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

1. Discuss the causes for Back Pain. Add a note on clinical features, investigations and management of Ankylosing Spondylitis.
2. Classify the types of fractures, stages of fracture, healing and management of fractures.

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

1. Osteosarcoma.
2. Recurrent Dislocation of Shoulder.
3. Tennis Elbow.
4. Mallet finger.
5. Radiological findings in Rheumatoid hand.
6. Stump Neuroma.
7. Foot drop.
8. Klumpke's paralysis.

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

1. Genu Valgum.
2. Housemaid knee.
3. Dislocation & Subluxation.
4. Phantom Limb Sensation.
5. Gibbus.
6. Torticollis.
7. Arthrodesis.
8. Rickets.
9. Septic Arthritis.
10. Syme's Amputation.

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

[BOT 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)**

Sub. Code: 6178

**BOT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS
*Q.P. Code : 786178***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the clinical features, radiological features, management and complications of Supra Condylar fractures of humerus in a 5 year old child?
2. Classify bone tumours. Discuss the clinical features, diagnosis and management of Ewing Sarcoma of Tibia?

II. Write notes on:

(8 x 5 = 40)

1. Crutch Palsy.
2. Kyphoscoliosis.
3. Carpel Tunnel Syndrome.
4. Golfer's Elbow.
5. Congenital Dysplasia of Hip.
6. Sudeck's Osteodystrophy.
7. Colle's Fracture.
8. Bankart's Lesion.

III. Short answers on:

(10 x 2 = 20)

1. Complications of amputation.
2. Pott's Fracture.
3. Involucrum.
4. McMurray's Test.
5. Plantar Fascitis.
6. Shoulder Hand Syndrome.
7. Green Stick Fracture.
8. Rotator Cuff Tear.
9. Stages of Fracture Healing.
10. Types of Leprosy.

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

[BOT 0122]

**JANUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 6178

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
SECOND YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS
Q.P. Code : 786178**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write briefly about types of Shoulder dislocation, anterior shoulder dislocation its clinical manifestation, management and complication.
2. Outline the etiopathology types, clinical features and management of Congenital Talipes Equino Varus.

II. Write notes on:

(8 x 5 = 40)

1. Fracture disease.
2. Cauda equina syndrome.
3. Mallet finger.
4. Erb's palsy.
5. Dennis Browne splint.
6. Straight leg raising test.
7. Swan neck deformity.
8. Volkmans Ischemic contracture.

III. Short answers on:

(10 x 2 = 20)

1. List the complication of patellectomy.
2. Management of soft tissue injury.
3. Define flat foot.
4. Complications of polio.
5. List the clinical features seen in TB spine.
6. Classify spinal deformities.
7. Q Angle.
8. Indication of Arthroplasty.
9. Sudecks atrophy.
10. Name of four malignant bone tumors.

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

[BOT 0622]

**JUNE 2022
(FEBRUARY 2022 EXAM SESSION)**

Sub. Code: 6178

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
SECOND YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS
Q.P. Code : 786178**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Dislocation. Describe the signs, symptoms and principles in management of Shoulder dislocation.
2. Describe the anatomy of Lumbar vertebrae. Discuss the pathophysiology, types and management of Spondylolisthesis.

II. Write notes on:

(8 x 5 = 40)

1. Dislocation of Patella.
2. Osteosarcoma.
3. Lumbo-sacral strain.
4. Principles of Bone grafting.
5. Uses of orthosis in Poliomyelitis.
6. Congenital Talipes Equino Varus.
7. Torticollis.
8. Muscle paralysis.

III. Short answers on:

(10 x 2 = 20)

1. Osteomyelitis.
2. Benign tumour.
3. Subluxation.
4. Wrist drop.
5. Genu valgum.
6. Plaster of paris.
7. Normal gait cycle.
8. Spinal stenosis.
9. Vitamin D.
10. Rotator cuff.

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

[BOT 0423]

**APRIL 2023
(FEBRUARY 2023 EXAM SESSION)**

Sub. Code: 6178

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
SECOND YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 786178

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the clinical features, management and complications of Anterior Dislocation of Shoulder.
2. Describe the pathology, clinical features, complications and management of T.B Spine.

II. Write notes on:

(8 x 5 = 40)

1. Compartment Syndrome.
2. Describe the various Stages of Fracture Healing.
3. Monteggia Fracture Dislocation.
4. Pott's Fracture.
5. Giant Cell Tumor.
6. Define Osteoporosis and enumerate the complications.
7. Sequestrum.
8. Erb's Palsy.

III. Short answers on:

(10 x 2 = 20)

1. Radiology of Rickets.
2. Dinner Fork Deformity.
3. Avascular Necrosis.
4. Shoulder Hand Syndrome.
5. Classify Non union.
6. Osteoid Osteoma.
7. Plantar Fascitis.
8. Myositis ossificans.
9. Congenital Talipes Equinovarus.
10. Cubitus Varus.

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

[BOT 1123]

**NOVEMBER 2023
(AUGUST 2023 EXAM SESSION)**

Sub. Code: 6178

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
SECOND YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 786178

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the clinical features, investigations and treatment of Rheumatoid Arthritis.
2. Describe the clinical features, management and complications of recurrent dislocation of shoulder.

II. Write notes on:

(8 x 5 = 40)

1. Erb's paralysis.
2. Management of congenital talipes Equinovarus.
3. Osteogenic sarcoma.
4. Sequestrum.
5. Carpel tunnel syndrome.
6. Adhesive Capsulitis of shoulder.
7. Avascular Necrosis.
8. Giant cell tumour.

III. Short answers on:

(10 x 2 = 20)

1. Dinner Fork deformity.
2. Cubitus varus.
3. Plantar fascitis.
4. Stages of fracture healing.
5. McMurray's test.
6. Rotator Cuff Tear.
7. Serum Alkaline phosphatase.
8. Orthoses in poliomyelitis.
9. Fibrous ankylosis.
10. List the various types of Radio diagnostic methods.

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

[BOT 0824]

AUGUST 2024

Sub. Code: 6178

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
SECOND YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 786178

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail the levels of Amputation. Explain the pre-operative, post-operative management and prosthetic management.
2. Describe the etiology, pathology, clinical features and management of Congenital Dislocation of Hip.

II. Write notes on:

(8 x 5 = 40)

1. Patello-femoral instability.
2. Phantom limb sensation.
3. Hallux valgus.
4. Hand deformities in Rheumatoid arthritis.
5. Avascular necrosis.
6. Carrying angle.
7. Myositis ossification.
8. Resuscitation and management of Compound fracture.

III. Short answers on:

(10 x 2 = 20)

1. Define deformity.
2. Difference between Open and Closed fracture.
3. Clinical diagnostic test for anterior cruciate ligament injury.
4. Pes planus.
5. Saturday night palsy.
6. Achilles tendinitis.
7. Ulnar paradox.
8. Define Orthosis.
9. Tendon transfer.
10. Pulled elbow.

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

[BOT 0225]

FEBRUARY 2025

Sub. Code: 6178

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
SECOND YEAR - (Regulations for the candidates admitted from 2014-2015 to 2021-2022)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 786178

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Comprehensive Management of Upper Limb Fractures.
2. Describe the clinical features, management and complications of Anterior Dislocation of shoulder.

II. Write notes on:

(8 x 5 = 40)

1. Principles of Tendon Transfers.
2. Clinical features of Spinal Tuberculosis.
3. Ankylosing Spondylitis.
4. Fracture Healing Stages.
5. Internal Fixation Methods.
6. Pathology of Rheumatoid Arthritis.
7. Management of Muscle Paralysis in Leprosy.
8. Patella Dislocation.

III. Short answers on:

(10 x 2 = 20)

1. Define arthrodesis.
2. Bone grafting.
3. Name one indication for limb lengthening.
4. List one complication of spinal fractures.
5. Define Scoliosis.
6. What is a common site for sprains?
7. Name a type of benign bone tumor.
8. What is radial club hand?
9. Define prosthetic management in amputations.
10. What is Sudek's atrophy?
