

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

[LR 1220]

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

Sub. Code: 6284

BPT DEGREE EXAMINATION

THIRD YEAR

(New regulations for the candidates admitted from 2017-2018 onwards)

PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code : 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about Osteomyelitis – Definition, clinical features, types, causes, Management and complications.
2. Explain in detail about TB Spine – Definition, clinical features, causes, investigation and management.

II. Write notes on:

(10 x 5 = 50)

1. Vertical Talus.
2. Myositis Ossificans.
3. Osteogenesis Imperfecta.
4. Klumpkey's Palsy.
5. Colles Fracture.
6. Principles of Tendon transfer.
7. Avascular Necrosis.
8. Tennis Elbow.
9. Carpal Tunnel Syndrome.
10. Classifications of Bone Tumor.

III. Short answer on:

(10 x 2 = 20)

1. Define Periarthritis Shoulder. List the clinical features.
2. List the splints used for Upper extremity Peripheral nerve injuries.
3. Difference between open fracture and closed fracture.
4. List the levels of Lower limb Amputation.
5. Difference between dislocation and subluxation.
6. List the causes for shoulder impingement syndrome.
7. Difference between Tide and Untided injuries of hand.
8. Cobb's Angle.
9. List the types of Leprosy.
10. Difference between Pescavus and Pesplanus.

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

[BPT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6284

BPT DEGREE EXAMINATION
THIRD YEAR
(Regulations for the candidates admitted from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS
Q.P. Code : 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Describe the indications, contraindications and complications of Total Knee Arthroplasty.
2. Classify fracture of Neck of femur. Write a mechanism of injury, management of Neck of Femur fracture.

II. Write notes on: (10 x 5 = 50)

1. Upper Limb tension test.
2. DeQuervain's disease.
3. Neglected Club foot.
4. Rickets.
5. Wrist drop.
6. Osteosarcoma.
7. Structural Scoliosis.
8. Spondylolisthesis.
9. Bicipital tendinitis.
10. Carpal tunnel syndrome.

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

1. Z plasty.
2. Thompson test.
3. Boxer's fracture.
4. Neuropraxia.
5. Knock Knee.
6. Ischemic Contracture.
7. Painful arc syndrome.
8. Slump test.
9. Jumper's Knee.
10. Hangman's fracture.

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

[BPT 0122]

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

Sub. Code: 6284

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR- (Regulation from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS
*Q.P. Code : 746284***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the Causes, clinical features, investigations and management of Osteoarthritis.
2. Describe the stages, clinical features, investigations and management of Intervertebral disc Prolapse.

II. Write notes on:

(10 x 5 = 50)

1. Radial club hand.
2. Septic arthritis.
3. Whiplash injury.
4. Patella fracture.
5. Pott's paraplegia.
6. Both bone fracture of Lower limb.
7. Spondylosis.
8. Phantom limb.
9. Fracture healing.
10. Ewing Sarcoma.

III. Short answer on:

(10 x 2 = 20)

1. Aeroplane splint.
2. Apley scratch test.
3. Piriformis syndrome.
4. Delayed Union.
5. Vertical Talus.
6. Waddling Gait.
7. Three point principles.
8. Anterior cruciate ligament.
9. Madelung's Deformity.
10. McMurray test.

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

[BPT 0622]

JUNE 2022

Sub. Code: 6284

(FEBRUARY 2022 EXAM SESSION)

BACHELOR OF PHYSIOTHERAPY DEGREE COURSE

THIRD YEAR- (Regulation from 2017-2018 onwards)

PAPER IV – CLINICAL ORTHOPAEDICS

Q.P. Code : 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the detail of causes, clinical presentation and methods of treatment for congenital Talipes Equinovarus.
2. Describes the mechanism of injury, complications and management of Supracondylar fracture.

II. Write notes on:

(10 x 5 = 50)

1. Median nerve injury.
2. Transtibial amputation.
3. Bennett's fracture.
4. Osteochondritis dissecans.
5. Kyphosis.
6. Patellofemoral Osteoarthritis.
7. Ankle sprain.
8. Osteoma.
9. RA Spine.
10. Ideal Sump.

III. Short answer on:

(10 x 2 = 20)

1. Lumbosacral belt.
2. Mallet's finger.
3. Deep vein thrombosis.
4. Erb's palsy.
5. Apley's compression test.
6. Cozen's test.
7. Gibbus deformity.
8. Cock up splint.
9. Galeazzi fracture.
10. Hill's sac lesion.

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

[BPT 1022]

**OCTOBER 2022
(AUGUST 2022 EXAM SESSION)**

Sub. Code: 6284

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR- (Regulation from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS
*Q.P. Code : 746284***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the clinical features, complications and management of a patient with D8 vertebra fracture.
2. Define amputation. Discuss the levels of amputations, causes, types, complications and its management.

II. Write notes on:

(10 x 5 = 50)

1. Chondromalacia patella.
2. Definition and causes of Atonic bladder.
3. Cervical rib - Definition causes, and management.
4. Septic arthritis.
5. Osteosarcoma.
6. Monteggia fracture dislocation.
7. Ulnar nerve palsy.
8. Avascular necrosis.
9. Arthroplasty.
10. Principles of tendon transfer.

III. Short answer on:

(10 x 2 = 20)

1. Difference between coxa vara and coxa valga.
2. Central dislocation of hip.
3. Define burns and the degrees of burns.
4. Define swan- neck deformity.
5. Define genu recurvatum.
6. Define dislocation and subluxation.
7. Define metatarsalgia.
8. Chest wall deformities.
9. Causes of foot drop.
10. Wry neck.

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

[BPT 0423]

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

Sub. Code: 6284

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Outline the etiopathology of Ankylosing spondylitis. Describe briefly its management and role of exercises.
2. Describe the causes, clinical features and management of recurrent dislocation of shoulder.

II. Write notes on:

(10 x 5 = 50)

1. Anterior cruciate ligament.
2. Ulnar claw hand.
3. Club foot.
4. Stress fracture.
5. Syme amputations.
6. Ewing's sarcoma.
7. Osteochondritis dissecans.
8. Clavicular fracture.
9. Bone grafting.
10. Osteotomy.

III. Short answer on:

(10 x 2 = 20)

1. Types of CTEV.
2. 'Q' angle.
3. SLR test.
4. Cold abscess.
5. De quervain's disease.
6. Erb's point.
7. Phantom limb pain.
8. 'Z' thumb deformity.
9. Ely's test.
10. Hoffa's fracture.

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

[BPT 1123]

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

Sub. Code: 6284

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Draw the anatomy of Brachial plexus and discuss about types, clinical features and management of Brachial plexus injury.
2. Write in detail about the causes, clinical features, Investigations and management for rotator cuff tear.

II. Write notes on:

(10 x 5 = 50)

1. Congenital Talipes equino varus.
2. Rickets.
3. Rolando fracture.
4. Osteoblastoma clinical features Radiology findings and treatment.
5. Straight Leg Raising Test.
6. Coccydynia.
7. Spina Ventosa.
8. Foot drop.
9. Sudeck's atrophy.
10. Syme's Amputation.

III. Short answer on:

(10 x 2 = 20)

1. P.A Shoulder.
2. Bamboo spine.
3. Gun Stoke Deformity.
4. Trigger finger.
5. Malunion.
6. Hangman's fracture.
7. Brodies's abscesses.
8. Coxa vara.
9. Torticollis.
10. Phantom limb.

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

[BPT 0824]

AUGUST 2024

Sub. Code: 6284

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate the clinical presentation of Tuberculosis of lumbar dorsal Spine and its investigations and treatment.
2. Write in detail about the clinical features and the management of Colle's fracture.

II. Write notes on:

(10 x 5 = 50)

1. Bankart's lesion.
2. Tinel's sign.
3. Vitamin D₃ Functions and Deficiency.
4. Complications of below knee amputation.
5. Chondrosarcoma.
6. Traumatic Paraplegia.
7. Avascular necrosis.
8. Saturday night paralysis.
9. Atonic bladder.
10. Complications of Septic Arthritis.

III. Short answer on:

(10 x 2 = 20)

1. Hallux valgus.
2. Non union.
3. Kyphosis.
4. Bamboo spine.
5. Ape thumb.
6. Ulnar claw.
7. Osteochondroma.
8. Onion peel appearance.
9. Cubitus varus.
10. Erb's point.

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

[BPT 0225]

FEBRUARY 2025

Sub. Code: 6284

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate the Signs, symptoms and clinical features of Rheumatoid arthritis including its management.
2. Describe the fractures of the Hip in the elderly and its surgical treatment.

II. Write notes on:

(10 x 5 = 50)

1. Ulnar nerve palsy.
2. Golfer's elbow.
3. Dinner fork deformity.
4. Scaphoid fracture.
5. Phantom limb.
6. Osteogenic Sarcoma.
7. Tuberculosis of Knee.
8. Involucrum abscess.
9. Epiphyseal injuries.
10. Quadriplegia.

III. Short answer on:

(10 x 2 = 20)

1. Alkaline phosphatase.
2. Dennis Brown Splint.
3. Scoliosis.
4. Ankylosis.
5. Compression fractures of Vertebrae.
6. Chronic Synovitis.
7. Osteoid Osteoma.
8. Taylor Knight Brace.
9. Kyphosis.
10. Biphosphanates.

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

[BPT 0226]

FEBRUARY 2026

Sub. Code: 6284

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – CLINICAL ORTHOPAEDICS**

Q.P. Code: 746284

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about the incidence, mechanism, types, clinical features, management and complication in Supracondylar fracture of humerus.
2. Describe the indications, types, levels and management of stump in Amputation.

II. Write notes on:

(10 x 5 = 50)

1. Flat foot.
2. Myositis ossificans.
3. Osteosarcoma.
4. Posterior dislocation of hip.
5. Mallet finger.
6. Galeazzi fracture.
7. Tennis elbow.
8. Supraspinatus tendinitis.
9. Plantar Fasciitis.
10. Smith fracture.

III. Short answer on:

(10 x 2 = 20)

1. Pointing index.
2. Coin test.
3. Dinner fork deformity.
4. Antalgic gait.
5. Osteotomy.
6. Skin traction.
7. Cervical rib.
8. Dorsiflexion test.
9. Bumper Injury.
10. Cock up splint.
