

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

[LQ 1120]

NOVEMBER 2020
(MAY 2020 SESSION)

Sub. Code: 8181

MPT DEGREE EXAMINATION
SECOND YEAR – (From the A.Y. 2018-2019)
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
Q.P. Code : 278181

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the principles of physiotherapy management procedures for Pelvis fractures..
2. Classify Spinal fracture. Give in detail about the physiotherapy management on rehabilitation of T10 Paraplegia.

II. Write notes on:

(10 x 6 = 60)

1. Limb length discrepancy and its management.
2. Tennis elbow.
3. Procedure for doing upper limb tension test I and II.
4. Discuss the physiotherapy management for Dequervain's syndrome.
5. Explain the physiotherapy management for Myositis ossificans.
6. Discuss the physiotherapy management of Cervical rib.
7. Explain the physiotherapy management of Osteoarthritis of knee.
8. Describe the management of Lower Crossed Syndrome.
9. Klippel feil syndrome.
10. Describe the physiotherapy management for Septic Arthritis.

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

[MPT 0321]

MARCH 2021

Sub. Code: 8181

(OCTOBER 2020 EXAM SESSION)

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

Q.P. Code : 278181

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss physiotherapy management for 20 year old basketball player who has under gone ACL reconstruction.
2. Physiotherapy management of neck of femur fracture with dynamic hip screw (DHS) fixation.

II. Write notes on:

(10 x 6 = 60)

1. Core stability exercises.
2. Explain principles, grades of Maitland's manipulation and manipulation technique for knee joint.
3. Tendon transfer for radial nerve injury and its post operative physiotherapy management.
4. Recent trends in trigger point management.
5. Tennis elbow management.
6. Below knee prosthesis.
7. Physiotherapy management for 1st and 2nd degree scoliosis.
8. Physiotherapy management of supraspinatus tendinitis.
9. Colles' fracture physiotherapy management.
10. IT band friction syndrome.

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

[MPT 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 8181

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS
*Q.P. Code : 278181***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Pre-operative and Post-operative physiotherapy management in total hip Arthroplasty patients and give a note on Do's and Dont's.
2. Classify upper end of humours fracture and give the orthopaedic and physiotherapy management in detail.

II. Write notes on:

(10 x 6 = 60)

1. Classifications of McKenzie's syndrome for low back pain in detail.
2. Myofascial pain syndrome and recent trends of physiotherapy.
3. Falls prevention in geriatric population.
4. Recent trends in management of piriformis syndrome.
5. Principles, role and types of splints. Explain about foot drop splint.
6. Physiotherapy for ankle lateral ligament sprain.
7. Immediate post operative management of below knee amputation.
8. Claw hand.
9. Thoracic outlet syndrome.
10. Protective means for soft tissue injuries.

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

[MPT 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 8181

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS
*Q.P. Code : 278181***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about role of physiotherapy in the management of 30 year-old patient following rotator cuff repair.
2. Discuss the role of physiotherapy in L4-L5 disc prolapsed patients.

II. Write notes on:

(10 x 6 = 60)

1. Swiss ball therapy.
2. Open and closed kinetic exercise for shoulder.
3. Recent advances in pain management.
4. Spinal deformities.
5. IT band stretching program.
6. Reflex sympathetic dystrophy.
7. Mckenzie approach.
8. Define ergonomics and explain its role in Musculoskeletal deformities.
9. Orthosis and mobility aid prescription.
10. Prosthesis used for Syme's amputation.

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

[MPT 0622]

**JUNE 2022
(MAY 2022 EXAM SESSION)**

Sub. Code: 8181

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS
*Q.P. Code : 278181***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about physiotherapy assessment and management for a 25 years old male following ACL reconstruction.
2. Elaborate on physiotherapy management for ankylosing spondylitis.

II. Write notes on:

(10 x 6 = 60)

1. Scapular Strengthening exercises.
2. Stump care, hygiene and exercises.
3. Lumbar stabilization exercises.
4. Exercises with and without Milwaukee brace.
5. Zones of hands.
6. Home program for left ankle sprain.
7. Difference between Maitland and Mulligan techniques.
8. Physiological and accessory movements.
9. Upper limb tension test for median nerve.
10. Reciprocal inhibition with example.

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

[MPT 0223]

**FEBRUARY 2023
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 8181

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278181

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Physiotherapy management for a 20 year old male following surgical correction of scoliosis.
2. Environmental modification and strategies for a 60 year old male following THR.

II. Write notes on:

(10 x 6 = 60)

1. Obesity.
2. Community based rehabilitation.
3. Piriformis test.
4. Q angle.
5. Physiotherapy management for mechanical low back Pain.
6. Rotator cuff strengthening exercises.
7. Lumbopelvic rhythm.
8. Advanced management for plantar fasciitis.
9. Tendon gliding exercises.
10. Bed rest complications.

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

[MPT 0523]

MAY 2023

Sub. Code: 8181

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code: 278181

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. A 40-year-old man complaints of mid thoracic spine pain with gradual onset provoked by activity. Make a detail assessment by clinical reasoning. Add a note on physiotherapy management for the same.
2. Explain in detail about Patho mechanics of Osteoarthritis and its management.

II. Write notes on:

(10 x 6 = 60)

1. Difference and similarities between diffuse idiopathic skeletal hyperostosis and ankylosing spondylitis and their management.
2. Gait deviation causes in transtibial amputee with a prosthetic fitting and its correction.
3. Energy conservation technique for rheumatoid patient.
4. Patho mechanics of Pes Planus.
5. Core muscle training and its importance.
6. Patho mechanics of Trendelenburg gait.
7. Psychometric properties of SPADI.
8. Current concepts in management of frozen shoulder.
9. Explain the principles of chiropractic and osteopathic school of thought.
10. Physiotherapy management for wrist arthroplasty.

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

[MPT 1223]

DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)

Sub. Code: 8181

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code: 278181

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Zonal classification of flexor tendon injury of hand. Describe the rehabilitation protocol for flexor tendon injury of hand.
2. Write in detail about the role of physiotherapy for a 35-year-old female with C6-C7 disc prolapse.

II. Write notes on:

(10 x 6 = 60)

1. Galeazzi fracture.
2. Tibial plateau fracture.
3. Bicipital tendinitis.
4. Erb's palsy.
5. Physiotherapy management for shoulder Impingement syndrome.
6. Mulligan mobilization technique - Principles.
7. Role of physiotherapy to prevent muscle weakness following immobilization.
8. Sustained Natural Apophyseal Glides.
9. Carpal tunnel syndrome.
10. Physiotherapy management for Adhesive capsulitis.

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

[MPT 0524]

MAY 2024

Sub. Code: 8181

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code: 278181

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify the Glenohumeral joint dislocation. Discuss the physiotherapy management for a 25-year-old male who had anterior dislocation of right glenohumeral joint which was conservatively managed.
2. Discuss the physiotherapy interventions for a patient with meniscal tear.

II. Write notes on:

(10 x 6 = 60)

1. Physiotherapy management for Gait training following Arthroplasty of Hip.
2. Physiotherapy management for Bennett's fracture.
3. Physiotherapy management for supracondylar femur fracture.
4. Radial nerve palsy.
5. Principles of Tendon transfer.
6. Upper crossed syndrome.
7. Home exercise program for Low back pain.
8. Hold-Relax technique.
9. Principles and Grades of Kaltenborn mobilization.
10. End feel.

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

[MPT 1024]

OCTOBER 2024

Sub. Code: 8181

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code: 278181

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Physiotherapy management for 32 years old female following ACL reconstruction using patellar tendon graft.
2. Physiotherapy management following TKR. Add a note on home program.

II. Write notes on:

(10 x 6 = 60)

1. Reciprocal inhibition.
2. Glenohumeral rhythm.
3. Special test for meniscal injury.
4. Hand to knee gait.
5. Hamstring stretching.
6. Capsular stretching exercises.
7. Flexibility exercises.
8. L4 nerve injury assessment.
9. Hallux valgus.
10. Recurrent dislocation of patella.

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

[MPT 0525]

MAY 2025

Sub. Code: 8181

**MPT DEGREE EXAMINATION
SECOND YEAR - (Candidates admitted 2018-2019 onwards)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code: 278181

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the physiotherapy management procedures for Tibial plateau fracture.
2. Classify Spinal fracture. Give in detail about the rehabilitation of L1 vertebral fracture with Paraplegia.

II. Write notes on:

(10 x 6 = 60)

1. Evidence based physiotherapy management of Osteoarthritis Knee.
2. Radial nerve palsy PT management.
3. Maitland Mobilization fundamentals, grades, indications, Contra indications and explain the technique for Knee joint.
4. Eccentric training for lower limb.
5. Principle of taping and explain the McConnell Taping technique.
6. Rehabilitation following meniscal repair.
7. Evidence based practice for patella-femoral pain syndrome.
8. Physiotherapy Management for spondylolisthesis L4-L5.
9. Complication and its prevention of above knee amputation.
10. Management of scapular dysfunction.

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

[MPT 1025]

OCTOBER 2025

Sub. Code: 8181

**MPT DEGREE EXAMINATION
SECOND YEAR - (Candidates admitted 2018-2019 onwards)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code: 278181

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the physiotherapy management for a 40-year-old female with rheumatoid arthritis. List down the deformities in a rheumatoid hand.
2. Classify the neck of femur fracture. Discuss the post-operative rehabilitation for a 65-year-old female with cemented hemiarthroplasty of hip.

II. Write notes on:

(10 x 6 = 60)

1. Achilles tendonitis.
2. Pott's fracture.
3. Painful arc syndrome.
4. Autogenic inhibition with example.
5. Physiotherapy management for Hyperlordosis.
6. Preoperative physiotherapy for total knee Arthroplasty.
7. Physiotherapy management for Volkmann's contracture.
8. Physiotherapy treatment for above knee amputation.
9. Principles of maitland manipulation technique.
10. Physiotherapy for Genu valgum.
