

MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION**SECOND YEAR****BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS****PAPER II – PHYSIOTHERAPY INTERVENTIONS****(SPECIALITY – II)****Q.P. Code: 278131****Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :**

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|--|----|---------|----|
| 1. Write an Essay on Role of Physiotherapy in the management of L4, L5. Disc prolapsed. | 17 | 40 min. | 20 |
| 2. 26 year old male foot ball player underwent ACL reconstruction with patellar graft. Prescribe a planned physiotherapy protocol. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Menisectomy. | 4 | 10 min. | 6 |
| 2. Mckenzie approach for low back pain. | 4 | 10 min. | 6 |
| 3. Special test for Neck pain. | 4 | 10 min. | 6 |
| 4. Kyphosis management. | 4 | 10 min. | 6 |
| 5. Post traumatic stiffness. | 4 | 10 min. | 6 |
| 6. Osteoarthritis of Hip. | 4 | 10 min. | 6 |
| 7. Core stability exercises. | 4 | 10 min. | 6 |
| 8. Tendon gliding exercises for CTS. | 4 | 10 min. | 6 |
| 9. Patello femoral pain syndrome. | 4 | 10 min. | 6 |
| 10. Shoulder impingement syndrome. | 4 | 10 min. | 6 |

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
SECOND YEAR**

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278131

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

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

- | | | | |
|--|----|---------|----|
| 1. Define ergonomics, job analysis and job modifications with one example. | 17 | 40 min. | 20 |
| 2. Rehabilitation of L1 vertebral fracture with complete cord lesion. | 17 | 40 min. | 20 |

II. Write Notes on :

- | | | | |
|--|---|---------|---|
| 1. Double crush syndrome. | 4 | 10 min. | 6 |
| 2. Role of pilates in core stabilisation. | 4 | 10 min. | 6 |
| 3. Management of scoliosis. | 4 | 10 min. | 6 |
| 4. Rule of nine, classification of burns and its management. | 4 | 10 min. | 6 |
| 5. Post operative management of shoulder arthroplasty. | 4 | 10 min. | 6 |
| 6. Reflex sympathetic dystrophy. | 4 | 10 min. | 6 |
| 7. Rehabilitation of THR. | 4 | 10 min. | 6 |
| 8. Principles of Arthrosis and prosthesis. Give a brief note on below knee prosthesis. | 4 | 10 min. | 6 |
| 9. Classifications of McKenzie's syndrome for low back pain in detail. | 4 | 10 min. | 6 |
| 10. Osteogenic Tumors. | 4 | 10 min. | 6 |

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
SECOND YEAR**

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278131

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Brachial plexus injury and its management.
2. Post operative management, prosthetic fitting and rehabilitation of above knee amputation.

II. Write notes on:

(10 x 6 = 60)

1. Myofascial pain syndrome and recent trends of physical therapy.
2. Mulligan's concept of mobilisation to improve shoulder range of movement.
3. Falls prevention in geriatric population.
4. Management of RA and mention about the orthotic management.
5. PT management of tibial plateau fracture.
6. Principles of taping and explain McConnell's taping.
7. Proximal end of humerus fracture management.
8. Ankylosing spondylitis.
9. Management of bed rest complication.
10. Spondylolisthesis classification and its Physiotherapy management.

[LD 131]

OCTOBER 2013

Sub. Code: 8131

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
SECOND YEAR**

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278131

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Write an essay on the Principles and management of Neurodynamics.
2. Role of Physiotherapy in the management of Rotator Cuff lesion.

II. Write notes on:

(10 x 6 = 60)

1. Sudecks atrophy.
2. Stabilisation Exercises for low back.
3. Piriformis syndrome.
4. Osteoarthritis of bilateral knee.
5. Special test for biceps pathology .
6. Management of Compound fracture.
7. Congenital flat foot management.
8. Limb Length discrepancy and its management.
9. Prevention of deformities.
10. Surgical Physiotherapy Management of Dequiverans Diseases.

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
SECOND YEAR**

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278131

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Write an essay on Role of PT in the management of Ankylosing Spondylitis.
2. 20 yr. old male cricket player underwent Neers Capsuloraphy for the recurrent dislocation of Shoulder joint. Prescribe a planned PT protocol.

II. Write notes on:

(10 x 6 = 60)

1. Lateral Retinacular Release.
2. Management of Volkmanns ischaemic contracture.
3. Positional release therapy.
4. Students Elbow.
5. McKenzie approach for Cervical Derangement one.
6. Functional electrical stimulation.
7. Tuberculosis of hip.
8. Neural mobilization for median nerve.
9. Management of knee arthroplasty for Rheumatoid arthritis.
10. Scoliosis Exercises with Milwaukee brace.

[LF 131]

OCTOBER 2014

Sub. Code: 8131

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
SECOND YEAR**

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278131

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the role of physiotherapy for 12 years old male who has been diagnosed to have mobile scoliosis due to limb shortening.
2. Physiotherapy management for ACL injury for 24 years old male who has been planned for surgery.

II. Write notes on:

(10 x 6 = 60)

1. Medial ligament sprain of ankle joint.
2. Erb's palsy.
3. Osteoporosis.
4. Recurrent dislocation of patella.
5. Claw hand.
6. Arches of foot.
7. Tennis elbow.
8. Capsular stretching of frozen shoulder.
9. Phantom limb pain.
10. Hydrotherapy of ankylo spondylosis.

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
SECOND YEAR**

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278131

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Classify spinal fractures. Write down the management of T10 paraplegic following road traffic accident.
2. Describe in detail the management of Periarthritis of Shoulder for 45 old male.

II. Write notes on:

(10 x 6 = 60)

1. Lordosis.
2. Limb shortening.
3. Arches of hand.
4. Pressure sores.
5. Protective means for soft tissue injuries.
6. Spondylolisthesis.
7. Biomechanical changes in flat foot.
8. Myofascial trigger point of trapezes muscle.
9. Klumpke's palsy.
10. Torticollis.

[LH 131]

OCTOBER 2015

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278131

Time : Three hours

Maximum : 100 marks

I. Elaborate on :

(2 x 20 = 40)

1. Explain in detail about ergonomics for analysis and modifications give one illustration with diagrammatic management for software profession.
2. Explain about fractures and dislocations of upper limb with surgical treatment and physiotherapy management.

II. Write notes on :

(10 x 6 = 60)

1. Pott's disease.
2. Rheumatoid arthritis.
3. Facial palsy.
4. Meniscectomy.
5. Explain types of nerve injuries.
6. Congenital talipes Equino varus.
7. Amputation of knee joint.
8. Neuromuscular taping techniques.
9. Classification of sports injuries and its management.
10. L4-L5 disc prolapse and its physiotherapy management.

[LI 131]

APRIL 2016

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278131

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. Illustration in detail about history of manual therapy and its approaches to any one Upper Limb and Lower Limb joint.

II. Write notes on :

(10 x 6 = 60)

1. Clinical application of neuromuscular techniques.
2. Manual therapy for peripheral nerves.
3. Rehabilitation of TKR.
4. Community based rehabilitation.
5. PT role in disaster management.
6. Boxer's Fracture.
7. Stress sharing and shielding devices in orthopedics.
8. Biomechanical advantage in Bent Knee sit-up straight leg sit-up.
9. Milwaukee brace.
10. Compartment syndrome.

[LJ 131]

OCTOBER 2016

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

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

1. Write in detail the role of physiotherapy in the management of Rotator Cuff lesion.
2. Write an essay on role of PT in the management of Ankylosing spondylitis.

II. Write notes on: **(10 x 6 = 60)**

1. Sudecks atrophy.
2. Patello femoral pain syndrome.
3. Role of pilates in core stabilization.
4. Physiotherapy management for scoliosis.
5. Hip dislocation.
6. Positional release therapy.
7. Tuberculosis of hip.
8. Klumpke's palsy.
9. Radiological investigation for TB Spine.
10. Principles of orthosis and prosthesis. Give a brief note on below knee prosthesis.

[LK 131]

MAY 2017

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

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

1. Write an essay on role of physiotherapy in the management of L4, L5 disc prolapse.
2. Write in detail the post operative management, prosthetic fitting and Rehabilitation of a 56 years old male who had undergone below Knee amputation.

II. Write notes on: **(10 x 6 = 60)**

1. Core stability exercises.
2. Ankylosing spondylitis.
3. Piriformis syndrome.
4. Codman's pendular exercises.
5. Osteoarthritis of knee.
6. Milwaukee brace.
7. Reflex sympathetic dystrophy.
8. PT management of tibial fracture.
9. Rule of nine, classification of burns and its management.
10. Myofascial pain syndrome and recent trends of physical therapy.

[LL 131]

OCTOBER 2017

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

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

1. Write in detail the Rehabilitation of T10 Vertebral fracture with complete cord lesion.
2. Prescribe a planned physiotherapy protocol for 24 years old male football player who had underwent ACL reconstruction.

II. Write notes on: **(10 x 6 = 60)**

1. Rehabilitation of THR.
2. Muscle re-education.
3. Swiss ball therapy.
4. Kyphosis management.
5. Role of splints.
6. Avascular necrosis.
7. McKenzie approach for low back pain.
8. Limb length discrepancy and its management.
9. Principles of taping and explain McConnell's taping.
10. Various splints used to prevent deformities of Rheumatoid hand.

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

[LM 131]

MAY 2018

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

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

1. Role of physiotherapist in repetitive strain injuries in sports men.
2. Importance of physiotherapy in community based Rehabilitation.

II. Write notes on: **(10 x 6 = 60)**

1. Hydrotherapy for scoliosis.
2. Recurrent patella dislocation.
3. Plyometrics.
4. Myofascial release of upper trapezius muscle.
5. Club foot boot.
6. Prevention of post operative complications in orthopaedics surgery.
7. Ergonomics advice for school children.
8. Evidence based practice.
9. Bio-feed back in tendon transfers.
10. Stubbies and wheel chair modification in bilateral above knee amputees.

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

[LN 131]

OCTOBER 2018

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS**

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Architectural barrier for Rheumatoid patients - management.
2. Rehabilitation of an above knee amputee aged 50 yrs.

II. Write notes on:

(10 x 6 = 60)

1. Endoskeleton prosthesis.
2. Principles of codman's pendular exercises.
3. Role of splints.
4. Guidelines for purchasing a foot wear.
5. Prevention of low back ache in asymptomatic individuals.
6. Plantar fasciitis.
7. Modification of wheel chairs.
8. Stump hypersensitivity-treatment.
9. Tarsal tunnel syndrome-management.
10. Taping – effects and benefits.

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

[LO 131]

MAY 2019

Sub. Code: 8131

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the role of physiotherapy management of 14 years old male who has been diagnosed to have mobile scoliosis due to limb shortening.
2. Principles and application of neural tissue mobilization for low back pain.

II. Write notes on:

(10 x 6 = 60)

1. Bio mechanical changes in flat foot.
2. Revision TKR.
3. Capsular stretching of frozen shoulder.
4. Procedure for prosthetics in lower limb.
5. Peripheral joint manipulation.
6. Piriformis syndrome.
7. Spondylolisthesis classification and its management.
8. Ideal stump management.
9. Stabilization exercise for low back pain.
10. Falls prevention in geriatric population.

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

[LP 131]

OCTOBER 2019

Sub. Code: 8131

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Physiotherapy management for 24 year old male athlete who underwent ACL reconstruction. Prescribe a planned physiotherapy protocol.
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. Post Traumatic stiffness.
2. Double crush syndrome.
3. Management of Bed rest complications.
4. Piriformis Syndrome.
5. Tuberculosis of Hip.
6. Erb's palsy.
7. L4, L5 disc prolapse and its management.
8. Supracondylar fracture.
9. Rule of Nine.
10. Codmann's pendular Exercise.

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

[LQ 1120]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 8131

**MPT DEGREE EXAMINATION
SECOND YEAR
BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS**

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

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

1. Pre-operative and Post-operative physiotherapy management in Total Knee Arthroplasty patients.
2. Role of physiotherapy in Pain management.

II. Write notes on: **(10 x 6 = 60)**

1. Recurrent Ankle Sprain.
2. Peri-arthritis of Shoulder.
3. Principles of Geriatric Rehabilitation.
4. Hydrotherapy for Rheumatoid patients.
5. Exercises prescription with Milwaukee brace.
6. Principles of Joint protection technique.
7. Role of physiotherapy in a Trauma care team.
8. ISO Kinetic exercises.
9. Mobilisation of Neural tissue.
10. Plyometrics.

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

[MPT 0321]

MARCH 2021

Sub. Code: 8131

(OCTOBER 2020 EXAM SESSION)

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

SPECIALITY PAPER II– PHYSIOTHERAPY INTERVENTIONS

Q.P. Code : 278131

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about ergonomics analysis and modifications for a common musculoskeletal dysfunction among software professionals. Give diagrammatic explanation as necessary.
2. Physiotherapy management for ACL injury for 24 years old male football player who has been planned for reconstructive surgery.

II. Write notes on:

(10 x 6 = 60)

1. Core stability exercises
2. Tendon gliding exercises for carpal tunnel syndrome
3. Reflex sympathetic dystrophy
4. Falls prevention in geriatric population.
5. Management of bed rest complications.
6. Spondylolisthesis - Classification and its Physiotherapy management
7. Piriformis syndrome.
8. Congenital flat foot management.
9. Limb Length discrepancy and its management.
10. Prevention of deformities

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

[MPT 0921]

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

Sub. Code: 8131

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted on or before the A.Y.2017-2018)

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code : 278131

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail about the management of periarthritis of shoulder for 45 years old male.
2. Write in detail on the role of physiotherapy in the management of Ankylosing spondylitis.

II. Write notes on:

(10 x 6 = 60)

1. Tuberculosis of hip.
2. Boxer's fracture.
3. Management of Bed rest complications.
4. Post operative management of shoulder arthroplasty.
5. Core stability exercises.
6. Mulligan's concept of mobilization to improve shoulder range of movement.
7. Erb's palsy.
8. Meniscectomy.
9. Sudeck's atrophy.
10. Piriformis syndrome.

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

[MPT 0222]

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

Sub. Code: 8131

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted on or before the A.Y.2017-2018)

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code : 278131

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify the stages of inter-vertebral disc prolapse. Write down the management of L4-L4 disc prolapse for a 42 year old woman.
2. Describe in detail the management of Periarthritis of shoulder for 60 year old female.

II. Write notes on:

(10 x 6 = 60)

1. Positional release therapy.
2. Neural mobilization for ulnar nerve.
3. Scoliosis Exercises with Milwaukee brace.
4. Osteoporosis.
5. Phantom limb pain.
6. Hydrotherapy of ankylosing spondylosis.
7. Torticollis.
8. Pressure sores.
9. Rheumatoid Hand.
10. Meniscectomy.
