

MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION**SECOND YEAR****BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS****PAPER I – PHYSIOTHERAPY ASSESSMENT****(SPECIALITY – I)****Q.P. Code: 278121****Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :**

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

1. Explain the effects of thoracic kyphosis on the function of Shoulder joint.

17	40 min.	20
----	---------	----

2. Physiotherapy evaluation of low back pain. Discuss about its Differential diagnosis in detail.

17	40 min.	20
----	---------	----

II. Write notes on :

1. Role of PT in wellness.

4	10 min.	6
---	---------	---

2. Ankle Sprain.

4	10 min.	6
---	---------	---

3. Evidence based practice.

4	10 min.	6
---	---------	---

4. Femoral Triangle.

4	10 min.	6
---	---------	---

5. Uses of External Fixator.

4	10 min.	6
---	---------	---

6. Patho Mechanics of menisci.

4	10 min.	6
---	---------	---

7. Evaluation of crush injuries of hand.

4	10 min.	6
---	---------	---

8. Isokinetic Exercises.

4	10 min.	6
---	---------	---

9. Tests for Tennis Elbow.

4	10 min.	6
---	---------	---

10. Types of wound debridement.

4	10 min.	6
---	---------	---

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

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER I – PHYSIOTHERAPY ASSESSMENT

(SPECIALITY – I)

Q.P. Code: 278121

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

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

- | | | | |
|---|----|---------|----|
| 1. Write an Essay on Values of Patient care, add a brief note on code of ethics, value-laden situations. | 17 | 40 min. | 20 |
| 2. Write in detail about the steps involved in the Fracture healing process. Add a note on Neer classification of the fracture Humerus. | 17 | 40 min. | 20 |

II. Write Notes on :

- | | | | |
|---|---|---------|---|
| 1. Assessment on Lateral collateral ligament injury of ankle. | 4 | 10 min. | 6 |
| 2. CTEV. | 4 | 10 min. | 6 |
| 3. Fracture Patella. | 4 | 10 min. | 6 |
| 4. Low back pain. | 4 | 10 min. | 6 |
| 5. Osteoarthritis of the Knee. | 4 | 10 min. | 6 |
| 6. Pain assessment. | 4 | 10 min. | 6 |
| 7. Physiotherapy for Fracture Neck of Femur. | 4 | 10 min. | 6 |
| 8. Principles of Arthodesis. | 4 | 10 min. | 6 |
| 9. Tarsal tunnel syndrome. | 4 | 10 min. | 6 |
| 10. Tennis Elbow. | 4 | 10 min. | 6 |

[LC 121]

APRIL 2013

Sub. Code: 8121

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

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER I – PHYSIOTHERAPY ASSESSMENT

(SPECIALITY – I)

Q.P. Code: 278121

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Write an Essay on influence of Psychological factors of rehabilitation.
2. Write in detail about the assessment of Posture. Add a brief note on Special test.
Mention some special test for Low back pain.

II. Write notes on:

(10 x 6 = 60)

1. Bone Graft.
2. DDH.
3. Joint play.
4. Mallet Finger.
5. Mechanical low back pain.
6. Physiotherapy for Fracture Scaphoid.
7. Principles of Osteotomy.
8. Rheumatoid arthritis for hand.
9. Thoracic outlet syndrome.
10. Volkmann's Ischemic Contractures.

[LD 121]

OCTOBER 2013

Sub. Code: 8121

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

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER I – PHYSIOTHERAPY ASSESSMENT

(SPECIALITY – I)

Q.P. Code: 278121

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Write a detailed assessment on examination of Environment and functional status.
2. Write a detail assessment of orthopedic physiotherapy. Add a detailed note on special test.

II. Write notes on:

(10 x 6 = 60)

1. Joint Play.
2. Manual muscle power grading.
3. Patellar dislocation.
4. Types of spinal fracture.
5. Hip Arthroplasty.
6. Spondylolisthesis.
7. Rheumatoid Hand.
8. Tendon transfer.
9. Carpal tunnel Syndrome.
10. Fat embolism.

[LE 121]

APRIL 2014

Sub. Code: 8121

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

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER I – PHYSIOTHERAPY ASSESSMENT

(SPECIALITY – I)

Q.P. Code: 278121

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Physiotherapy Evaluation of Knee Joint in various conditions of Knee.
2. Physiotherapy Evaluation of Posture in all Axes and Planes.

II. Write notes on:

(10 x 6 = 60)

1. Endoskeletal Prosthesis.
2. Methods of applying Skin Traction.
3. Measurement of Sub-Talar Joint.
4. Nerve Suturing and Grafting.
5. Hangmans Fracture.
6. Difference between Acute stress and Post-traumatic stress disorder.
7. Physiotherapy evaluation of Stump.
8. Bladder Assessment in Low-level Spinal cord injury.
9. Principles of Tendon Transfer.
10. Assessment of Orthopaedic deformities in Cerebral Palsy.

[LF 121]

OCTOBER 2014

Sub. Code: 8121

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

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER I – PHYSIOTHERAPY ASSESSMENT

(SPECIALITY – I)

Q.P. Code: 278121

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Explain the effects of Lumbar lordosis on the function of Hip joint.
2. Physiotherapy Evaluation of Anterior Knee Pain. Discuss about its differential diagnosis in detail.

II. Write notes on:

(10 x 6 = 60)

1. Uses of Traction.
2. Anxiety.
3. Special test for dislocation of Shoulder Joint.
4. Screw Home Mechanism.
5. Muscle Energy Technique.
6. Evaluation of Rheumatic Hand.
7. Triangular Fibrocartilage complex.
8. Keinbock Disease.
9. Mortons Neuroma.
10. Annular Pulleys.

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

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

PAPER I – PHYSIOTHERAPY ASSESSMENT

(SPECIALITY – I)

Q.P. Code: 278121

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. A 15 year old boy is suffering from juvenile left dorsal scoliosis.
Describe PT assessment and treatment plan for the same.
2. A 28-year old man had a laminectomy for a herniated L5 disc 2 days ago.
He is still an inpatient. Describe PT assessment and treatment plan for this patient.

II. Write notes on:

(10 x 6 = 60)

1. Podiometry.
2. Tests for patellofemoral dysfunction.
3. Self SNAG technique for lumbar spine.
4. Thoracic outlet syndrome.
5. Methods of applying Skin Traction.
6. Spurling's test.
7. Guyon's canal.
8. Steinman's test.
9. Arches of hand.
10. Physiotherapy evaluation of erector spinae muscle.

[LH 121]

OCTOBER 2015

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. A 28 year old man was in an industrial accident and lacerated the flexor tendons in the palm of his hand. Describe your assessment plan of this patient.
2. Write in detail about PT assessment and management for rheumatoid arthritis. Discuss about prevention of joint deformity in brief.

II. Write notes on:

(10 x 6 = 60)

1. Principles of Arthrodesis.
2. Assessment of bladder function in spinal cord injury.
3. Ewing's Sarcoma.
4. Barre-Lieou sign.
5. Characteristics of ideal stump.
6. Physiotherapy in Rickets.
7. Pediatric wheelchair.
8. Classification of epiphyseal injuries in children.
9. Sacral plexuses.
10. McMurray Test.

[LI 121]

APRIL 2016

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

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

1. What are Nerve injuries? Write in detail about classification, surgical management, complication and physiotherapy assessment of Radial Nerve injury.
2. Classify Low Back Pain. Elaborate on physiotherapy assessment and add a note on special test for Low Back Pain.

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

1. Principles of examination.
2. Acute stress and post traumatic stress disorder.
3. Barthel index.
4. Pelvic fractures-classification and complications.
5. Complications of POP.
6. Avascular necrosis.
7. Management of open fractures.
8. Examination of muscle tone.
9. Skin grafting.
10. End feel.

[LJ 121]

OCTOBER 2016

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

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

1. Describe the arches of Foot and its supporting structures. Discuss flat foot with a note on its probable Gait deviations.
2. Various special test for Shoulder joint.

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

1. Evaluation of limb shortening.
2. Scoliosis examination.
3. Principles of Maitland mobilization.
4. Assessment of Rheumatoid hand.
5. Special test of thoracic outlet syndrome.
6. Straight leg raising test – variation and applications.
7. Phocomelia.
8. Corrective Osteotomy.
9. Congenital hip dislocation – assessment.
10. Assessment of a painful knee.

[LK 121]

MAY 2017

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Pain, theories, types, pathways and assessment of Pain.
2. Documentation – its role in Research and Development in physiotherapy.

II. Write notes on:

(10 x 6 = 60)

1. Incontinence.
2. Subtalar joint evaluation.
3. Architecture of Lumbar spine.
4. Pressure sore – physiotherapy assessment.
5. Principles of tendon transfer.
6. Fracture of ankle joint.
7. Vertical forces in gait – assessment and applications.
8. McKenzie's concept of low back ache assessment.
9. Osteomyelitis.
10. Synostosis.

[LL 121]

OCTOBER 2017

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Ergonomic assessment of a Software professional during work.
2. Role of psychological and environmental factors in Rehabilitation.

II. Write notes on:

(10 x 6 = 60)

1. Code of ethics.
2. External fixators.
3. Evaluation of anterior knee pain.
4. Special test for quadriceps rupture.
5. Tension band wiring.
6. Osteosarcoma.
7. Assessment of environmental barriers.
8. Evaluation of Gait using a Polarized Goniometer.
9. Assessment of Lumbo-sacral region.
10. Selection of tendons for transfers.

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

[LM 121]

MAY 2018

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

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

1. Spinal deformities - Assessment.
2. Write in detail the physiotherapy evaluation of Knee Joint in various conditions of Knee.

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

1. CTEV.
2. Thoracic outlet syndrome.
3. Joint play.
4. Rheumatoid Hand.
5. Types of spinal fracture.
6. Isokinetic exercises.
7. Tennis Elbow.
8. Endo-skeletal Prosthesis.
9. Carpal tunnel syndrome.
10. Fracture neck of femur.

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

[LN 121]

OCTOBER 2018

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about the steps involved in the fracture healing process. Add a note on Neer classification of the fracture Humerus.
2. Write in detail about posture assessment and special tests in Low back pain.

II. Write notes on:

(10 x 6 = 60)

1. Tennis elbow.
2. Methods of applying skin traction.
3. Carpal tunnel syndrome.
4. Manual muscle power grading.
5. Bone graft.
6. Fracture patella.
7. Types of wound debridement.
8. Evidence based practice.
9. Bladder assessment in low level spinal cord injury.
10. Mallet finger.

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

[LO 121]

MAY 2019

Sub. Code: 8121

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the effects of Thoracic Kyphosis on the function of chest wall and its deformities.
2. A 28 year old man had a laminectomy for a herniated L5 disc 2 days ago. He is still an inpatient. Describe PT assessment and treatment plan for this patient.

II. Write notes on:

(10 x 6 = 60)

1. Tests for patella femoral dysfunction.
2. Principles of Arthrodesis.
3. Complications of POP.
4. End feel.
5. Assessment of Rheumatoid hand.
6. Phocomelia.
7. Synostosis.
8. Role of PT in wellness.
9. Evaluation of Meniscal Dysfunction.
10. Assessment for Congenital Talipes Equino Varus. (CTEV).

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

[LP 121]

OCTOBER 2019

Sub. Code: 8121

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Evaluation of scapular dysfunction of Periarthritis of shoulder.
2. Straight leg raise test and its interpretations.

II. Write notes on:

(10 x 6 = 60)

1. Median nerve tension test.
2. Foot evaluation.
3. Principles of tendon transfer.
4. Physiotherapy evaluation for recurrent dislocation of patella.
5. Rheumatoid hand evaluation.
6. Thoracic outlet syndrome.
7. Importance in history evaluation in assessment.
8. Role of physiotherapy in geriatrics population.
9. Code of ethics.
10. Piriformis syndrome.

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

[LQ 121]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 8121

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

Q.P. Code: 278121

Time: Three hours

Maximum: 100 Marks

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

1. Write a detail assessment of orthopedic physiotherapy. Add a detailed note on special test.
2. Explain the effects of Lumbar lordosis on the function of Hip joint.

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

1. Uses of Traction.
2. Special tests for conical spine.
3. Physiotherapy evaluation of erector spinae muscle.
4. Evaluation and preoperative assessment for above knee amputation.
5. Classification of epiphyseal injuries in children.
6. Sacral plexuses.
7. Examination of muscle tone.
8. Evaluation of limb shortening.
9. Acute stress and post traumatic stress disorder.
10. Femoral Triangle.

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

[MPT 0321]

MARCH 2021

Sub. Code: 8121

(OCTOBER 2020 EXAM SESSION)

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

Q.P. Code : 278121

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the effects of thoracic kyphosis on the function of Shoulder joint.
2. Explain in detail the role of Psychological factors in rehabilitation.

II. Write notes on:

(10 x 6 = 60)

1. Ankle sprain.
2. Test for tennis elbow.
3. Pain Assessment.
4. CTEV.
5. Test for sprained knee joint.
6. Low Back Pain.
7. Mallet finger.
8. Thoracic outlet syndrome.
9. Principles of osteotomy.
10. Tendon transfer.

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

[MPT 0921]

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

Sub. Code: 8121

MPT DEGREE EXAMINATION

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

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code : 278121

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about physiotherapy assessment and management for rheumatoid arthritis. Discuss about prevention of joint deformity in brief.
2. Write in detail about the steps involved in the fracture healing process. Add a note on Garden classification of the fracture femur.

II. Write notes on:

(10 x 6 = 60)

1. Guyon's canal.
2. Methods of applying skin traction.
3. Arthrodesis.
4. Spondylolisthesis.
5. Thoracic outlet syndrome.
6. CTEV.
7. Evidence based practice.
8. Evaluation of crush injuries of hand.
9. Endoskeletal prosthesis.
10. Ewing's sarcoma.

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

[MPT 0222]

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

Sub. Code: 8121

MPT DEGREE EXAMINATION

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

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code : 278121

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify Low Back Pain. Elaborate on physiotherapy assessment and add a note on special test for Low Back Pain.
2. Describe the arches of Foot and its supporting structures. Discuss flat foot with a note on its probable Gait deviations.

II. Write notes on:

(10 x 6 = 60)

1. Tardy Ulnar nerve palsy.
2. Joint end feel.
3. Rheumatoid hand.
4. Assessment of stump.
5. Sub-talar joint evaluation.
6. Methods of skin traction application.
7. Bladder evaluation in spinal cord injuries.
8. Arches of hand.
9. Scoliosis examination.
10. Straight leg raising test.

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

[MPT 0622]

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

Sub. Code: 8121

MPT DEGREE EXAMINATION

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

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

BRANCH I – PHYSIOTHERAPY IN ORTHOPAEDICS

Q.P. Code : 278121

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify low back pain. Elaborate on physiotherapy assessment and add a note on special test for low back pain.
2. Physiotherapy evaluation of knee joint in various conditions of knee.

II. Write notes on:

(10 x 6 = 60)

1. Physiotherapy in rickets.
2. Principles of osteotomy.
3. Congenital dislocation of hip-assessment.
4. Special test for dislocation of shoulder joint.
5. Joint play.
6. Volkmann's Ischemic contractures.
7. Pain assessment.
8. Tarsal tunnel syndrome.
9. Mallet finger.
10. Tennis elbow.
