

MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION**SECOND YEAR****BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS****PAPER II – PHYSIOTHERAPY INTERVENTIONS****(SPECIALITY – II)*****Q.P. Code: 278134*****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 in detail about PT management for juvenile rheumatoid arthritis. | 17 | 40 min. | 20 |
| 2. Discuss in detail about PT management for 8 years old spastic diplegic cp. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Commando creeping. | 4 | 10 min. | 6 |
| 2. Palmomental reflex. | 4 | 10 min. | 6 |
| 3. Therapy to work on tongue lateralization. | 4 | 10 min. | 6 |
| 4. Bilateral motor coordination. | 4 | 10 min. | 6 |
| 5. Associated reactions. | 4 | 10 min. | 6 |
| 6. Cystic fibrosis – PT management. | 4 | 10 min. | 6 |
| 7. Downs syndrome. | 4 | 10 min. | 6 |
| 8. Common sports injuries in children and its management. | 4 | 10 min. | 6 |
| 9. Ewings sarcoma. | 4 | 10 min. | 6 |
| 10. Constraint induced movement therapy. | 4 | 10 min. | 6 |

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

BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278134

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Write the primary and secondary disabilities of hypertonic cerebral palsy and Explain the Physiotherapy management of 8 years old boy with hypertonic Quadriplegic cerebral palsy in special school.
2. Discuss in detail about the principles and techniques used in pediatric pulmonary rehabilitation.

II. Write notes on:

(10 x 6 = 60)

1. Selection of appropriate assistive devices for children.
2. Physiotherapy management of pediatric burns in acute phase.
3. Integrated education for children of subnormal intelligence.
4. Pediatric disability sports.
5. Motor control mechanisms responsible for walking.
6. Neuro developmental therapy techniques to train sitting control.
7. Physiotherapy in Erb's palsy.
8. Cystic fibrosis.
9. Complications and management of supracondylar fracture in children.
10. Child's play environment.

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
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BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278134

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Explain the physiotherapy management of 4 years old boy with hypertonic cerebral palsy involving all limbs.
2. Explain the short and long term physiotherapy management for the 5 years old boy who is diagnosed as Duchenne muscular dystrophy. Add a note on genetic counselling.

II. Write notes on:

(10 x 6 = 60)

1. Motor development during first two years of life.
2. Physiotherapy management of pneumonia.
3. Training children for sports.
4. Pediatric wheelchair.
5. Physiotherapy management of congenital torticollis.
6. Cognitive therapy.
7. Physiotherapy in rickets.
8. Advanced airway clearance techniques.
9. Postural reflexes.
10. Attention deficit hyperactivity disorder.

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PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278134

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Explain the physiotherapy management of 10 years old boy with ataxic cerebral palsy.
2. Write the commonly used assistive devices for disabled children and explain the selection procedure with its uses.

II. Write notes on:

(10 x 6 = 60)

1. Physiotherapy management of congenital talipes eqino varus.
2. Classification of epiphyseal injuries in children.
3. Neuro developmental therapy.
4. Autism.
5. Neonatal reflexes.
6. Physiotherapy in NICU.
7. Early developmental intervention.
8. Pneumonia.
9. Pediatric burn assessment and management.
10. Grading of spasticity in children.

[LF 134]

OCTOBER 2014

Sub. Code: 8134

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

BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS

PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278134

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the Physiotherapy management of a 3 years old child with hypotonic cerebral palsy.
2. Discuss in detail about the role of Physiotherapy in Neonatal Intensive Care Unit (NICU).

II. Write notes on:

(10 x 6 = 60)

1. Neuro developmental therapy.
2. Physiotherapy management in pneumonia.
3. Righting reactions.
4. Congenital talipes equino varus.
5. Rollator.
6. TB meningitis.
7. Foetal alcohol syndrome.
8. Physiotherapy management of sports injuries in children.
9. Selection of assistive devices for children.
10. Physiotherapy management of autism.

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
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PAPER II – PHYSIOTHERAPY INTERVENTIONS

(SPECIALITY – II)

Q.P. Code: 278134

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about Physiotherapy management of a 10 years old child with athetoid cerebral palsy.
2. Describe the estimation of percentage of burns in children. Discuss the physiotherapy management of a 10 years old girl having burns in upper limb and neck .

II. Write notes on:

(10 x 6 = 60)

1. Sensory Integration Therapy (SIT).
2. Physiotherapy management in childhood asthma.
3. Motor learning.
4. Congenital muscular torticollis.
5. Physiotherapy management during ambulatory stage of Duchenne Muscular Dystrophy (DMD).
6. Role of physiotherapy in spina bifida.
7. Swissball therapy in children.
8. Traumatic brain injury.
9. Postural control.
10. Physiotherapy management in developmental delay.

[LH 134]

OCTOBER 2015

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the Physiotherapy management of a 2 weeks old preterm baby in NICU.
2. Discuss the Physiotherapy management of 4 years old girl with spastic cerebral palsy.

II. Write notes on:

(10 x 6 = 60)

1. Vojta treatment technique.
2. Physiotherapy management of klumpke's palsy.
3. Reflex inhibiting postures used in cerebral palsied children.
4. Idiopathic scoliosis.
5. Autism.
6. Role of Physiotherapy in childhood pneumonia.
7. Positioning procedures in burn child.
8. Righting reactions.
9. Triwall prone stander.
10. Physiotherapy intervention in rickets.

[LJ 134]

OCTOBER 2016

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the pre and post operative physiotherapy management of one year old boy with talipes equino varus.
2. Discuss in detail about the role of physical therapist in Neonatal and pediatric intensive care units.

II. Write notes on:

(10 x 6 = 60)

1. Constraint-induced movement therapy.
2. Gravity assisted drainage.
3. Burns in children.
4. Management of polio pre paralytic stage.
5. Associated reactions.
6. Positive expiratory pressures (PEP) mask therapy.
7. Structural scoliosis.
8. Toe-walking.
9. Motor learning and training.
10. Constraint induced movement therapy.

[LK 134]

MAY 2017

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the pre and post operative physiotherapy management of one year old girl with Spina Bifida cystic.
2. Discuss in detail about the Ethical and Legal framework of Pediatric physical therapy.

II. Write notes on:

(10 x 6 = 60)

1. Myofascial release.
2. Thoracic expansion exercises.
3. Cardiopulmonary resuscitation in children.
4. Talipes calcaneovalgus-active correction.
5. Management of polio paralytic stage.
6. Autogenic drainage.
7. Congenital limb deficiencies.
8. Common sports injuries in children and its management.
9. Bear-walking.
10. Sensory integration therapy.

[LL 134]

OCTOBER 2017

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

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

1. Write the primary and secondary disabilities of Spastic Cerebral palsy and explain the physiotherapy management of 6 years old girl with spastic Quadriplegic cerebral palsy in special school.
2. Discuss in detail about the principles and techniques used in respiratory disorders during Neonatal period.

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

1. Neuro-development therapy.
2. Periodic Continuous Positive Airway Pressure (PCPAP).
3. Role of assistive devices.
4. Talipes equinovarus-active correction.
5. Post polio syndrome.
6. Percussion and vibration techniques.
7. Torticollis.
8. Naso-pharyngeal aspiration.
9. Aerosol therapy.
10. Electromyography bio-feedback.

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

[LM 134]

MAY 2018

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the physiotherapy management for Juvenile Rheumatoid Arthritis (JRA).
2. Discuss in detail about the role of physiotherapy in 3 years old Cerebral Palsy child with Spastic Diplegia.

II. Write notes on:

(10 x 6 = 60)

1. Gross motor function measure (GMFM).
2. Physiotherapy management of Erb's Palsy.
3. Risk factors of sports injuries in children.
4. Swissball therapy.
5. Management of childhood Asthma.
6. Principles of neuro-developmental therapy.
7. Congenital Talipes Equino Varus (CTEV).
8. Posterior pediatric walker.
9. Chest physiotherapy in infants.
10. Balance training in children.

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

[LN 134]

OCTOBER 2018

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write the types of muscular dystrophy and explain the stagewise physiotherapy management for Duchenne Muscular Dystrophy (DMD).
2. Discuss the physiotherapy management for 10 years old athetoid cerebral palsy boy.

II. Write notes on:

(10 x 6 = 60)

1. Alberta infant motor scale.
2. Physiotherapy management of congenital dislocation of hip.
3. Developmental co-ordination disorders.
4. Wobble board.
5. Febrile seizures in children.
6. Creeping.
7. Childhood diabetes.
8. Constraint induced movement therapy in children.
9. Motor learning.
10. Post operative physiotherapy for children undergoing cardiothoracic surgeries.

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

[LO 134]

MAY 2019

Sub. Code: 8134

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write about neural tube defects and discuss the stagewise physiotherapy management of Spina Bifida.
2. Discuss the neuro-developmental therapy for 3 years old girl with hypotonic cerebral palsy.

II. Write notes on:

(10 x 6 = 60)

1. Pediatric balance scale.
2. Classification of muscular dystrophy.
3. Physiotherapy management of congenital torticollis.
4. Mental retardation.
5. Types of cerebral palsy.
6. Stagewise exercise prescription for the burns.
7. Cystic fibrosis.
8. Infant grasping strategies.
9. Physiotherapy in preterm baby in NICU.
10. Rollator walker.

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

[LP 134]

OCTOBER 2019

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about problems and the physiotherapy management programme for a 14 years old boy with Duchene's muscular dystrophy who is now in an ambulatory phase.
2. Write in detail about the physiotherapy management for 6 months old baby with right brachial plexus lesion.

II. Write notes on:

(10 x 6 = 60)

1. Role of physiotherapy in ataxic cerebral palsy.
2. Infant respiratory distress syndrome.
3. Role of physiotherapy after tendon transfer for foot drop.
4. Neonatal neurological assessment.
5. Role of physiotherapy management for 10 years boy with post-polio syndrome.
6. Neuro developmental therapy.
7. Electro myographic changes in myotonia.
8. PT management in Hydrocephalus child.
9. Congenital muscular torticollis.
10. Developmental coordination disorders.

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

[LQ 1120]

NOVEMBER 2020
(MAY 2020 SESSION)

Sub. Code: 8134

**MPT DEGREE EXAMINATION
SECOND YEAR
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS**

Q.P. Code : 278134

Time : Three hours

Maximum : 100 Marks

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

1. Write the classification and problems associated with Cerebral Palsy and explain various Neurological treatment approaches for 7 years old Spastic Cerebral Palsy child.
2. Describe the stage of development of Central Nervous System in first seven years of life.

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

1. Becker's muscular dystrophy.
2. Signs and symptoms of Raised Intracranial Pressure.
3. Differentiate between Decorticate and De-cerebrate rigidity.
4. Gower's sign.
5. Childhood Asthma.
6. Dynamic ankle foot Orthosis.
7. APGAR score for Newborn baby.
8. New born screening.
9. PT management for Gullain Barrie Syndrome.
10. Neo natal reflexes.
