

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

[LQ 1019]

NOVEMBER 2020  
(MAY 2020 SESSION)

Sub. Code: 8174

**MPT DEGREE EXAMINATION**  
**SECOND YEAR**  
**BRANCH IV – PHYSIOTHERAPY IN PEADIATRICS**  
**SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT**  
*Q.P. Code : 278174*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the neurological assessment of upper and lower brachial plexus.
2. Identify the reflex and reaction present between the ages of three months to seven months. Discuss the implication of their persistence beyond the age of one year.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Assessment of postural tone in cerebral palsy.
2. APGAR score for new born baby.
3. High-risk infants.
4. Write a note on assessment of hydrocephalous.
5. Gait evaluation for a spastic diplegic cerebral palsy child.
6. Gower's sign.
7. Neonatal assessment.
8. Landau reflex.
9. Asymmetrical tonic neck reflex.
10. Assessment of Erb's palsy.

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

[MPT 0321]

MARCH 2021

Sub. Code: 8174

(OCTOBER 2020 EXAM SESSION)

**MPT DEGREE EXAMINATION**

**SECOND YEAR – (From the Academic Year 2018-2019)**

**BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

**SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT**

*Q.P. Code : 278174*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain in detail about spinal muscular Atrophy, various types, assessment of muscles, PT Intervention?
2. What are the causes of growth plate fracture? Describe the signs and symptoms, limb shortening and various type of treatment.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Respiratory assessment in children with neurological issues.
2. Gross motor function classification system.
3. System control theory.
4. Explain about NICU, what are the parameters are Important?
5. Types of polio.
6. Down syndrome.
7. What is the ICF model in physiotherapy?
8. Childhood Obesity and assessment.
9. GAS (Goal attainment scale).
10. Assessment for pronated foot.

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

**[MPT 0921]**

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

**Sub. Code: 8174**

**MPT DEGREE EXAMINATION**

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

**SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT**

**BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

***Q.P. Code : 278174***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain in detail about brachial plexus injury, and its clinical evaluation. Discuss about motor and sensory assessment and treatment plan for the same.
2. How does cerebral palsy affect respiratory health? Explain about PT assessment & Management, outcome measures.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Feed back and feed forward concept.
2. Wee FIM.
3. Phases DMD.
4. MACS (manual ability classification system).
5. Classification of burns in children.
6. OSD.
7. Tibial Torsion and assessment.
8. Stato kinetic reflexes.
9. Stages of motor learning.
10. Pediatric balance scale.

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

[MPT 0222]

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

**Sub. Code: 8174**

**MPT DEGREE EXAMINATION  
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)  
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT  
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS  
*Q.P. Code : 278174***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe Neuro developmental Assessment of Neonate and explain the prenatal causes for Neuro developmental disorder.
2. Explain in detail about Assessment procedures related to pediatric cardio pulmonary condition.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Community access.
2. Limping.
3. Ayres Test.
4. Negative signs in cerebral palsy.
5. Genetic counseling.
6. Brainstem level reflexes.
7. Alberta infant motor scale.
8. Classification of Mental Retardation.
9. Scooter Board.
10. Erb' s paralysis.

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

[MPT 0223]

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

**Sub. Code: 8174**

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

*Q.P. Code : 278174*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Genetic disorders and write in detail about Assessment and diagnostic procedures of Down syndrome.
2. Explain Motor Development and Co-ordination and write in detail about assessment, investigation of Developmental Co-ordination Disorders (DCD).

**II. Write notes on:**

**(10 x 6 = 60)**

1. Prone progression.
2. Post-Natal Assessment.
3. Guillain Barre syndrome.
4. Athetoid cerebral palsy.
5. Blounts disease.
6. Role of Adaptive Equipment.
7. Pediatric Outcome Data Collection Instrument (PODCI).
8. Torticollis.
9. Respiratory muscle physiology in normal child.
10. Immunization.

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

**[MPT 0523]**

**MAY 2023**

**Sub. Code: 8174**

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

*Q.P. Code: 278174*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain the development and the assessment of Gait in children.
2. Neuro-pediatric assessment of a neonate born at 28 weeks of gestational period.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Gower's sign.
2. Spinal reflexes.
3. Assessment of Erb's palsy.
4. Dystrophin.
5. Visual Perceptual concept.
6. Post-natal screening.
7. Components of Gait assessment.
8. Ayres test.
9. Pediatric balance scale.
10. NAGI's disability model.

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

[MPT 1223]

**DECEMBER 2023  
(OCTOBER 2023 EXAM SESSION)**

**Sub. Code: 8174**

**MPT DEGREE EXAMINATION**

**SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)  
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT  
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

*Q.P. Code: 278174*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain pre and post operative Assessment and complication of myelomeningocele.
2. Describe all Righting reaction and explain its appearance and its Assessment methods.

**II. Write notes on:**

**(10 x 6 = 60)**

1. What is developmental Dysplasia of Hip in neonates?
2. Patent Ductus Arteriosus.
3. Neuro plasticity.
4. Paediatric Glasgow coma scale.
5. Growth and development of Heart.
6. Ankle Foot Orthosis (AFO).
7. Documentation.
8. Idiopathic scoliosis.
9. Lymphoma.
10. Endurance.

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

**[MPT 0524]**

**MAY 2024**

**Sub. Code: 8174**

**MPT DEGREE EXAMINATION**

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

**SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT**

**BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

*Q.P. Code: 278174*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. What are the causes of ERB'S-KLUMPKIES paralysis in children? Describe the clinical features, complication, sensory assessment and management for the same.
2. What are the common pediatric musculoskeletal conditions and describe the detail about assessment and management for any two conditions.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Assessment and management for hemiplegic hand.
2. CTEV.
3. Clinical rating scale for head control.
4. Cortical Visual Impairment (CVI) phases and ranges.
5. Respiratory assessment for DMD.
6. Pronated foot assessment and orthotic management.
7. E – GAIT SCALE (Edinburg visual gait scale).
8. Early intervention.
9. Scissoring gait.
10. Moro reflex.

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

**[MPT 1024]**

**OCTOBER 2024**

**Sub. Code: 8174**

**MPT DEGREE EXAMINATION**

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

**SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT**

**BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

*Q.P. Code: 278174*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain in detail about Pediatric genetic conditions. Discuss and details assessment and treatment plan for any one common condition.
2. How does cerebral palsy affect respiratory health? Explain about PT assessment and Management, outcome measures.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Feedback and feed forward concept.
2. Wee FIM.
3. Phases DMD.
4. Head control scale.
5. Burns in children.
6. OSD.
7. Tibial Torsion and assessment.
8. Hallux valgus.
9. Babies supine development and its importance.
10. Pediatric balance scale.

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

**[MPT 0525]**

**MAY 2025**

**Sub. Code: 8174**

**MPT DEGREE EXAMINATION  
SECOND YEAR - (Candidates admitted 2018-2019 onwards)  
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT  
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

*Q.P. Code: 278174*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe in detail about the growth and development of a child of first 1 year of life and discuss difference between Typical and Atypical development of child.
2. Describe the common etiology, clinical presentation, Assessment of Hypotonic muscle tone.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Adaptive equipments.
2. GMFCS level age 2 – 4.
3. System control theory.
4. Explain about NICU. What are the parameters are important?
5. Adaptive equipments.
6. Limb shortening.
7. Environmental barrier in CP.
8. Pediatric Obesity and assessment.
9. GAS (Goal attainment scale).
10. Lower cross syndrome in CP.

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

[MPT 1025]

**OCTOBER 2025**

**Sub. Code: 8174**

**MPT DEGREE EXAMINATION  
SECOND YEAR - (Candidates admitted 2018-2019 onwards)  
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT  
BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS**

*Q.P. Code: 278174*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe in detail the Gross Motor Function Classification System (GMFCS) and its clinical applications.
2. Explain the components of ICF framework with suitable examples related to children with cerebral palsy.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Write a note on selective motor control assessment.
2. Discuss scoliosis in children – assessment and physiotherapy management.
3. Family-centered care and the role of parents in pediatric physiotherapy.
4. Respiratory physiotherapy in DMD.
5. Explain the clinical features of Spinal Muscular Atrophy.
6. Chest physiotherapy techniques for children with bronchopneumonia.
7. Role of environmental factors in child development according to ICF.
8. Clinical features of Hydrocephalus in infants.
9. Respiratory care in hypotonic Hydrocephalus children.
10. Explain Gowers' sign and its clinical significance.

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