

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

[LQ 1120]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 8184

**MPT DEGREE EXAMINATION
SECOND YEAR – (From the A.Y. 2018-2019)
BRANCH IV – PHYSIOTHERAPY IN PEADIATRICS
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
*Q.P. Code : 278184***

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the Paediatric Aquatic therapy and describe the difference between Land based and Water based exercise.
2. Paediatric Cardio Pulmonary Rehabilitation.

II. Write notes on:

(10 x 6 = 60)

1. Assessment for Foot deformities.
2. Neonatal reflexes.
3. Birth Asphyxia.
4. Importance of Head circumference.
5. Goal Attainment Scale (GAS).
6. Moro reflex & it's important in clinical evaluation.
7. Clonus.
8. NDT principles.
9. Habitual Toe walking.
10. Paediatric balance scale (PBS).

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

[MPT 0321]

MARCH 2021

Sub. Code: 8184

(OCTOBER 2020 EXAM SESSION)

MPT DEGREE EXAMINATION

SECOND YEAR

BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

Q.P. Code : 278184

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Milestone development and discuss the therapeutic significance of SITTING and describe the therapeutic assist in sitting from supine.
2. Cardio pulmonary rehabilitation in children with congenital heart disease.

II. Write notes on:

(10 x 6 = 60)

1. Tummy time and its benefits.
2. NDT – Key points of control
3. Modified Constraint induced movement therapy
4. Gravity assistant drainage
5. PT management for Flaccidity
6. Sub maximal exercise for muscular dystrophy
7. Toe walking
8. Ankle foot orthotics
9. Abdominal activation exercises
10. Facilitation and inhibition techniques.

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

[MPT 0921]

SEPTEMBER 2021
(MAY 2021 EXAM SESSION)

Sub. Code: 8184

MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PEADIATRICS
Q.P. Code : 278184

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain Ethical and Legal framework of pediatric physical therapy practice and team interaction with service delivery in pediatric physical therapy.
2. Discuss in detail about the role of Physiotherapy in Neonatal intensive Care Unit for preterm babies.

II. Write notes on:

(10 x 6 = 60)

1. Stages of motor development.
2. Interventions and training for Sport Injuries in children.
3. Scissoring Gait.
4. Advanced Intervention for Duchenne Muscular Dystrophy (DMD).
5. Pressure Garments.
6. Cardiopulmonary resuscitation in children.
7. Types of Cerebral palsy.
8. Physiotherapy management for Spinabifida.
9. Aquatic Therapy.
10. Percussion Techniques.

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

[MPT 0222]

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

Sub. Code: 8184

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PEDIATRICS
*Q.P. Code : 278184***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define muscle Tone and compare the hypotonic child to a spastic cerebral palsy. Describe at least five variables in interventions should be observed.
2. Discuss in detail about the principles of proprioceptive Neuro muscular facilitation techniques applied in pediatric physiotherapy.

II. Write notes on:

(10 x 6 = 60)

1. Role of physiotherapy in Gullian Barre Syndrome.
2. Functional Stabilization Training.
3. Neuroplasticity.
4. Sensory Integration Therapy.
5. Elements of early Intervention.
6. Biofeedback.
7. Congenital Muscular Torticollis.
8. Spinal Muscular atrophy.
9. Physiotherapy in pediatric Asthma.
10. Gross motor function measure (GMFM).

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

[MPT 0622]

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

Sub. Code: 8184

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS
BRANCH IV – PHYSIOTHERAPY IN PEADIATRICS
*Q.P. Code : 278184***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain Infantile hemiplegia and Give detail Advanced Intervention by using motor learning process.
2. Define Autosomal Recessive Muscle Dystropy and Describe Recent Advanced physiotherapy Interventions.

II. Write notes on:

(10 x 6 = 60)

1. Congenital Dysplasia of Hip.
2. Physiotherapy for Pediatric Asthma.
3. Assistive Technology.
4. Management of Encephalitis.
5. Ventriculo peritoneal shunt.
6. Sensory Re education.
7. Dissociation.
8. Alberta infant motor scale (AIMS).
9. Mirror therapy.
10. Acute Management of polio myelitis.

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

[MPT 0223]

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

Sub. Code: 8184

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

Q.P. Code : 278184

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the physiotherapy management for a one year old child with left infantile hemiplegia.
2. Detail about the type of orthotic prescription and gait training for children with high lumbar paralysis in Spina bifida.

II. Write notes on:

(10 x 6 = 60)

1. Role of special educator in paediatric setting.
2. Tubercular meningitis.
3. Normal development of speech and communication.
4. Vojta's assessment technique.
5. Erb's palsy.
6. Airway clearance.
7. Role of sensory system in balance training.
8. Genetic counseling.
9. Scar Hypertrophy management.
10. Juvenile Idiopathic Arthritis.

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

[MPT 0523]

MAY 2023

Sub. Code: 8184

MPT DEGREE EXAMINATION

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

Q.P. Code: 278184

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write the various types of Spina bifida with its clinical presentation. Discuss the age wise management and treatment of Spina bifida.
2. Write the etiopathology and clinical features of Duchenne's muscular dystrophy (DMD). Explain the management of 9 years old boy with DMD in ambulatory stage.

II. Write notes on:

(10 x 6 = 60)

1. Clinical presentation and management for Viral Meningitis.
2. Facilitatory techniques of Roods approach.
3. Genetic counseling.
4. Goal Attainment Scale (GAS).
5. Perinatal problem and management.
6. Bennett face mask chest percussion technique.
7. Management for neuromuscular Scoliosis.
8. Alberta Infant Motor Scale (AIMS).
9. Bobath concepts.
10. Management for Perthes diseases.

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

[MPT 1223]

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

Sub. Code: 8184

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

Q.P. Code: 278184

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the role of Physiotherapy in NICU for Pre term babies.
2. Pediatric Pulmonary Rehabilitation.

II. Write notes on:

(10 x 6 = 60)

1. Therapeutic strategies to improve Crouch gait.
2. Play therapy.
3. Principles of NDT and explain in detail about key points of control.
4. Low tone and its management.
5. Supine development.
6. Therapy for Cortical visual impairment kids.
7. Gait for hemiplegic CP.
8. Activities to improve Breathing Capacity.
9. Midline crossing activities.
10. Genetic Counseling.

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

[MPT 0524]

MAY 2024

Sub. Code: 8184

MPT DEGREE EXAMINATION

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

Q.P. Code: 278184

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain about short and long term goal in pediatric physiotherapy Management for 5 years old boy diagnosed with diplegic CP.
2. Explain in detail about brachial plexus injury and its clinical evaluation. Discuss about motor and sensory assessment and treatment plan for the same.

II. Write notes on:

(10 x 6 = 60)

1. Joint compression and its technique.
2. NDT.
3. Midline crosses activity for children in developmental delay.
4. PT management for sports injury on children.
5. Constraint induced movement therapy.
6. Role of Physiotherapy in type 1 SMA.
7. Reactive balance training exercises.
8. Swiss ball in children and its principle.
9. Sensory management for toe walking.
10. Becker's muscular dystrophy.

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

[MPT 1024]

OCTOBER 2024

Sub. Code: 8184

MPT DEGREE EXAMINATION

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

SPECIALITY PAPER II – PHYSIOTHERAPY INTERVENTIONS

BRANCH IV – PHYSIOTHERAPY IN PAEDIATRICS

Q.P. Code: 278184

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about Spinal Muscular Atrophy (SMA), Physiotherapy assessment and treatment strategies for different types of SMA.
2. Write commonly used adaptive devices for disabled children and explain the selection procedure with its uses.

II. Write notes on:

(10 x 6 = 60)

1. Fine motor activities.
2. Sensory integration therapy.
3. Principles of NDT and explain in detail any three main Principles.
4. Sensory stimulation in NICU.
5. Importance of prone development.
6. Vision therapy for strabismus kids.
7. What is extensor thrust and how to handle it?
8. Activities to improve respiration for children with cerebral palsy.
9. Bilateral hand activities.
10. EMG Biofeedback.

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

[MPT 0525]

MAY 2025

Sub. Code: 8184

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

Q.P. Code: 278184

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain about short and long term goal in pediatric physiotherapy management for 5 year old boy diagnosed with diplegic CP.
2. Explain in detail about the role of physiotherapy in NICU.

II. Write notes on:

(10 x 6 = 60)

1. Standardized obstacle gait training in children with cp.
2. Electromyography changes in myotonia.
3. VOJTA Therapy.
4. Infant respiratory distress syndrome.
5. KAYE walker and its importance.
6. Halliwick aquatic therapy.
7. Sensory integration therapy.
8. Crawling – advantage and disadvantage.
9. Positioning procedure in burns child.
10. Motor control.

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

[MPT 1025]

OCTOBER 2025

Sub. Code: 8184

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

Q.P. Code: 278184

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about hemiplegic cerebral palsy. Describe the hand assessment and PT management.
2. DMD – Different stages and its assessment and management.

II. Write notes on:

(10 x 6 = 60)

1. Joint compression and its techniques.
2. NDT.
3. Midline crossing activity for children in developmental delay.
4. PT management for sports injury on children.
5. Constraint induced movement therapy.
6. Role of physiotherapy in type 1 SMA.
7. Reactive balance training exercises.
8. Swiss ball in children and its principle.
9. Sensory management for toe walking.
10. Becker's muscular dystrophy.
