

[KQ 804]

FEBRUARY 2007

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

(Revised Regulations)

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

1. Compare and contrast the Reflex, Reflex Hierarchical, Modular theory with systems and Dynamical subsystem theories of Motor control. **(20)**
2. Role of Genetics in Occupational Therapy education – Discuss with recent advances. **(15)**
3. Discuss in detail about the assumptions, Postulates and Function – Dysfunction of pediatric Bio-Mechanical frame of reference. **(15)**

II. Write notes on:

(6 x 5 = 30)

1. Mary Reiley's explanation on play development.
2. Hemispheric specialization (or) Lateralization problem for children with learning disabilities.
3. Explain the following on medical perspective for spasticity management:
 - a) Dorsal Rhizotomy.
 - b) Botox.
4. Development of hand function according to Earhardt from infancy to preschool period.
5. Eric Erikson stage of emotional development.
6. Critiques or negativism in Sensory Integration Frame of reference or approach.

[KU 804]

MARCH 2009

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

(Revised Regulations)

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. Discuss Bobath's Neuro developmental approach giving the various changes that have taken place in the use of the approach.
2. Describe Spina Bifida, the various types and its medical and surgical management.

II. Write notes on:

(10 x 6 = 60)

1. Correlate Piaget's stages of cognitive development to stages of play development.
2. Chromosomal aberration.
3. Erhardt's stages of hand function development.
4. Compare and contrast personality development based on psychosexual theory of Freud and Maslow's humanistic psychology.
5. Gesell's developmental schedule.
6. Development of various systems in an embryo.
7. Conductive education.
8. Arthrogryposis.
9. Operant and classical conditioning.
10. Reilly's classification of play, application in occupational therapy.

[KV 804]

SEPTEMBER 2009

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

(Revised Regulations)

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the cognitive theory of piaget. Describe the various stages.
2. Implications of fetal diagnostic and intervention procedures for occupational therapy.

II. Write notes on:

(10 x 6 = 60)

1. Systematic desensitization.
2. Visio-motor integration.
3. List the in-hand manipulation skills.
4. Left Vs Right hemispheric functions.
5. Social learning theory.
6. States of alertness in a neonate.
7. Reinforcement techniques.
8. Athetoid dance.
9. Bulimia and Anorexia nervosa.
10. Alternate forms of mobility in children with cerebral palsy.

[KY 804]

MAY 2011

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

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

1. Compare and contrast neuro developmental approach and sensory integration.
Mention how these two approaches can be combined to treat spastic CP children
2. Explain family dysfunction and its effect on children.
Mention your role as an occupational therapist in handling such families and children.

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

1. Hand Function development up to 6 years according to Erhardt's Hand Function development.
2. Cognitive theory of Piaget.
3. Pelvic blocks in CP and its consequence on the child.
4. Recent Immunization schedule recommended by Indian Association of Pediatrics.
5. Causes and complications of premature deliveries.
6. Sand play – Analyse for paediatric conditions.
7. A 3 years old child with Oppositional Deviant Disorder. In what stage of moral development he should be? How will you facilitate appropriate moral development for this child?
8. Problems in hemispheric specialization.
9. Spatio temporal adaptation – Explain the apedal stage of development with appropriate examples.
10. Structural aberrations of chromosomes. Explain with examples.

[KZ 804]

OCTOBER 2011

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on :

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

- | | | | |
|---|----|---------|----|
| 1. Briefly describe about Systematic review of the research evidence examining the effectiveness of intervention using Sensory Integration approach for children. | 17 | 40 min. | 20 |
| 2. Briefly explain about system theory and application of system theory in paediatric occupational therapy practice. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|--|---|---------|---|
| 1. STORCH infections. | 4 | 10 min. | 6 |
| 2. Satiation principle in Behaviour modification techniques. | 4 | 10 min. | 6 |
| 3. Kangaroo care. | 4 | 10 min. | 6 |
| 4. Feed forward mechanism. | 4 | 10 min. | 6 |
| 5. Vestibulo ocular reflex. | 4 | 10 min. | 6 |
| 6. Categories of temperament. | 4 | 10 min. | 6 |
| 7. Adaptive response. | 4 | 10 min. | 6 |
| 8. Applied Behaviour analysis. | 4 | 10 min. | 6 |
| 9. Penetration and aspiration. | 4 | 10 min. | 6 |
| 10. Shaken baby syndrome. | 4 | 10 min. | 6 |

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION**SECOND YEAR****PART – II****BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS****PAPER I – CLINICAL SPECIALITY - I****Q.P. Code: 419104****Time: Three Hours****Maximum: 100 marks****Answer ALL questions****Draw suitable diagrams where ever necessary****I. Elaborate on :**

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

- | | | | |
|--|----|---------|----|
| 1. Briefly describe about Sensory Integration and Praxis Test (SIPT) items, administration procedures and psychometric properties of SIPT. | 17 | 40 min. | 20 |
| 2. Briefly explain about synactive theory of development. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|--|---|---------|---|
| 1. Post rotatory Nystagmas. | 4 | 10 min. | 6 |
| 2. Prader willi syndrome. | 4 | 10 min. | 6 |
| 3. Micrognathia and management. | 4 | 10 min. | 6 |
| 4. Pierre Robin syndrome. | 4 | 10 min. | 6 |
| 5. Typical developmental sequence of toileting skills. | 4 | 10 min. | 6 |
| 6. Sensory deprivation. | 4 | 10 min. | 6 |
| 7. Suspension of reality. | 4 | 10 min. | 6 |
| 8. Signs of stress and stability in high risk infants. | 4 | 10 min. | 6 |
| 9. States of arousal. | 4 | 10 min. | 6 |
| 10. Scarf Sign. | 4 | 10 min. | 6 |

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION**SECOND YEAR****PART – II****BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS****PAPER I – CLINICAL SPECIALITY - I****Q.P. Code: 419104****Time: Three Hours****Maximum: 100 marks****Answer ALL questions****Draw suitable diagrams where ever necessary****I. Elaborate on :****Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|---|----|---------|----|
| 1. Discuss the principles of biomechanical Approach and its application in play activities with examples. | 17 | 40 min. | 20 |
| 2. Principles of Human developmental and Maturation.
Explain any three developmental theories. | 17 | 40 min. | 20 |

II. Write Notes on:

- | | | | |
|---|---|---------|---|
| 1. Development of bilateral hand use. | 4 | 10 min. | 6 |
| 2. Sensory Defensiveness. | 4 | 10 min. | 6 |
| 3. Socio temporal Adaptation. | 4 | 10 min. | 6 |
| 4. Role of Occupational Therapists in a child with congenital absence of upper limbs. | 4 | 10 min. | 6 |
| 5. Well baby clinics. | 4 | 10 min. | 6 |
| 6. Down's Syndrome. | 4 | 10 min. | 6 |
| 7. Principles and Uses of Reinforcements in Occupational Therapy. | 4 | 10 min. | 6 |
| 8. Cognition and learning. | 4 | 10 min. | 6 |
| 9. Discuss training in self care for children with Myelomeningocele. | 4 | 10 min. | 6 |
| 10. Occupational Therapy role in children with Ventricular Septal Defect. | 4 | 10 min. | 6 |

[LC 804]

APRIL 2013

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

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

1. Occupational Therapy management of a 15 year old boy with Mental Retardation.
2. Explain the different types of Muscular Dystrophy?
Discuss the goals and frames of reference for Occupational Therapy intervention for children with Muscular Dystrophy.

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

1. Standardized testing for sensory integration.
2. Application of Skinner's theory of behaviorism in Occupational Therapy.
3. Concrete Operational stage in Piaget's cognitive development.
4. Preventive Paediatrics.
5. Pediatric Rehabilitation team.
6. Role of Occupational Therapy in Myelomenigocoel.
7. Cell division.
8. Conductive Education.
9. Phases of development in Utero.
10. Prevention of deformities in children with Juvenile Rheumatoid Arthritis.

[LD 804]

OCTOBER 2013

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. Briefly describe about normal development process from birth to adolescence including fine and gross motor, language, social, cognitive perceptual, play and selfcare.
2. Briefly explain about system theory and application of system theory in paediatric Occupational Therapy practice.

II. Write notes on:

(10 x 6 = 60)

1. Tay Sachs Disease.
2. Sensory Dormacy.
3. STORCH infections.
4. Explain about Perceptual motor task.
5. Childhood Disintegrative disorder.
6. Sensory based motor disorder.
7. Cognitive theory of Piaget.
8. Explain about Test of Playfulness.
9. Explain about Theory of mind and object play in Autism.
10. Applied Behaviour analysis.

[LE 804]

APRIL 2014

Sub. Code: 9104

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION

SECOND YEAR

PART – II

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

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

1. Briefly describe about Sensory Integration Therapy. Explain about new nosology for sensory integration.
2. Briefly explain about synactive theory of development.

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

1. Circularvection.
2. Gravitational Insecurity assessment.
3. Ego psychology of Erikson.
4. Hemispheric Specialization.
5. Signs of stress and stability in high risk infants.
6. Development test of visual motor Integration (VMI).
7. Peto conductive education.
8. Contribution of midbrain level reflexes for normal development.
9. Explain about molecular genetics and protein synthesis.
10. Typical developmental sequence of toileting skills.

[LF 804]

OCTOBER 2014

Sub. Code: 9104

**MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION
SECOND YEAR**

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. A two years old child brought to you with delayed mile stones.
How will you approach, evaluate and manage? Add a note on preventable causes.
2. Define the objectives of conducting High risk infants follow up clinic.
Discuss the methods of recognizing early signs pointing to development of cerebral palsy.

II. Write notes on:

(10 x 6 = 60)

1. Developmental dysplasia of the Hip.
2. Sequelae of tuberculous meningitis.
3. Microcephaly
4. Genetic counseling
5. Failure to thrive
6. Discuss the common problems and management of premature babies.
7. Kangaroo mother care.
8. Occupational therapy management for 10 years old child with history of bed wetting in nights.
9. Erb's palsy
10. Neonatal Reflexes

**MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION
SECOND YEAR**

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY - I

Q.P. Code: 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. “Prevalence of autism is increasing” – discuss this statement, causes of autism.
2. Child, activity and significant others and are components of learning.
Explain this statement.

II. Write notes on:

(10 x 6 = 60)

1. Sensory integration therapy – discuss its effectiveness with evidence.
2. Hemispheric specialization.
3. Pauciarticular arthritis.
4. Paediartic occupational therapy service models in community
5. Angular deformities of knee.
6. What are the major constructs of Piaget’s cognitive theory?
Explain hypothetico-detective learning.
7. Nondirective play.
8. Comment about dyspraxia in Autism.
9. Explain the development of body image, the society and family’s contribution
in the development of body image.
10. Parent mediated occupational therapy program.

[LH 804]

OCTOBER 2015

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER I – CLINICAL SPECIALITY – I
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS**

Q.P. Code: 419104

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the role of occupational therapy for Haemophilia.
2. Describe the physiology, types, clinical manifestations and management of Hydrocephalus.

II. Write notes on :

(10 x 6 = 60)

1. Myoclonic epilepsy.
2. Nystagmus.
3. Types of skull deformities.
4. Acute bacterial meningitis.
5. Athetoid dance.
6. Evaluation of soft neurological signs.
7. Explain how you would conduct a social communication group for autistic children.
8. Adaptive response.
9. Dystonia.
10. Temperament in childhood.

[LI 804]

APRIL 2016

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER I – CLINICAL SPECIALITY – I
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS**

Q.P. Code: 419104

Time : Three hours

Maximum : 100 Marks

I. Elaborate on :

(2 x 20 = 40)

1. How will you diagnose ADHD? What are the differential diagnosis and comorbid conditions for ADHD? How will you differentiate them from ADHD?
2. Classify mental Retardation. Plan out treatment program using behavior modification approach. Critique the approach.

II. Write notes on :

(10 x 6 = 60)

1. “Splint versus kinesio – tapping” – discuss.
2. Prone on extension and supine flexion in children with learning disability.
3. Occupational performance coaching model.
4. Osteomalacia.
5. Haptic perception.
6. Antigravity development in children.
7. Development of ADL in typically developing children.
8. Neural tube defects.
9. Wilbarger’s perspective on sensory defensiveness.
10. Kohlberg’s stages of moral development.

[LK 804]

MAY 2017

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER I – CLINICAL SPECIALITY – I
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS**

Q.P. Code: 419104

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the role of Ego psychology, Maslow's humanistic psychology in occupational therapy practice.
2. Discuss on the role and objectives in occupational therapy to being a member of the high risk follow up clinics. What are the early signs and markers for Cerebral Palsy?

II. Write notes on:

(10 x 6 = 60)

1. Behavior therapy techniques to promote adaptive behavior.
2. Major constructs of bio-mechanical approach.
3. Patterns of inheritance.
4. Hand dominance.
5. Emotional and social development.
6. Social development of play.
7. Deformities and splinting in Juvenile Idiopathic Arthritis (JIA).
8. Self-care skill development.
9. Community based occupational therapy for infants and children.
10. Mention the major theoretical approaches used in paediatric occupational therapy.

[LL 804]

OCTOBER 2017

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER I – CLINICAL SPECIALITY – I
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS**

Q.P. Code: 419104

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail the cognitive theory of Piaget and explain how this theory can be used to treat children with intellectual disabilities?
2. Explain the different types of Muscular Dystrophy. Discuss the goals and frames of reference for Occupational therapy intervention for a 10 year old boy confined to a wheel chair with Duchenne's muscular dystrophy.

II. Write notes on:

(10 x 6 = 60)

1. Sensory defensiveness.
2. Preventive occupational therapy.
3. Applied behavior analysis.
4. Hemispheric specialization.
5. Cerebellar signs.
6. Principles of human development and maturation.
7. Neural tube defects.
8. Neonatal reflexes.
9. Habilitation versus Rehabilitation.
10. Family centric therapy.

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

[LM 804]

MAY 2018

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER I – CLINICAL SPECIALITY – I
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS**

Q.P. Code: 419104

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the embryological development of neural tube. Mention the neural tube defects, its causes and antenatal and postnatal investigative procedures.
2. Cognitive Orientation to daily Occupational Performance (CO OP) approach - discuss its application in occupational therapy practice.

II. Write notes on:

(10 x 6 = 60)

1. Neuro-physiological perspective of sensory modulation disorder.
2. Well baby clinics.
3. Immunization schedule recommended by Indian academy of paediatrics.
4. Juvenile Rheumatoid Arthritis.
5. Reilly's explanation of play.
6. Object permanence.
7. Explain sex linked patterns of inheritance. Mention the importance of genetic counselling.
8. How does Skinner's perspective of learning applied in OT practice?
9. Briefly mention the ego psychology of Erikson and its influence on psychosocial development of a child.
10. Ventriculo peritoneal shunt.

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

[LN 804]

OCTOBER 2018

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER I – CLINICAL SPECIALITY – I
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS**

Q.P. Code: 419104

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Acquisition frames of reference - discuss its core concepts, assumptions, postulates and function - dysfunction continuums with suitable examples.
2. Explain the birth defects and their causes. What are the fetal diagnostic procedures in detection and monitoring of high risk pregnancies?

II. Write notes on:

(10 x 6 = 60)

1. What are the preventive measure taken by Indian government to eradicate poliomyelitis? As a community OT what is your role?
2. Explain preoperational period and list toys and therapy equipments for this stage.
3. Discuss the influence of sibling in the treatment of child with ASD. Briefly mention on the challenges faced by sibling of a special child.
4. Fetal alcohol syndrome.
5. Explain the structural aberrations of chromosomes.
6. Ventricular septal defect.
7. Principles and application reinforcements in OT practice. Mention the advantages and disadvantage of reinforcements.
8. Roger's self theory in OT practice.
9. Explain interweaving of motor control and sensory integration theories.
10. "Wilbarger approach for sensory defensiveness is not a sensory integrative technique" - discuss **FOR** or **AGAINST** this statement.

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

[LO 804]

MAY 2019

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER I – CLINICAL SPECIALITY – I
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS**

Q.P. Code: 419104

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What is visual perception? Briefly mention about visual pathway. What are the visual perceptual components? Mention the influence of visual perception on academic skills.
2. Explain in detailed on core concepts and theoretical base of NDT approach, explain the function- dysfunction continua, postulates regarding change and application to practice relevant to Cerebral Palsy Child, critique the effectiveness of NDT.

II. Write notes on:

(10 x 6 = 60)

1. Well baby clinics.
2. Current trends in OT practice.
3. Mention the biomechanical considerations for prescribing therapeutic equipments in paediatric OT practice.
4. Kohlberg's stages of moral development.
5. Family crisis model.
6. Explain brain lateralization and its significance in learning disability.
7. Cognitive models used in paediatric OT practice.
8. Respiratory distress syndrome.
9. What are the effects of common teratogens on the developing brain?
10. Development of eating skills.

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

[LP 804]

OCTOBER 2019

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS
PAPER I – CLINICAL SPECIALITY – I**

Q.P. Code: 419104

Time : Three hours

Maximum : 100 Marks

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

1. Explain the biomechanical frames of reference for position of children in various functions.
2. Discuss the frames of reference for facilitating hand writing skills.

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

1. What is temperament? How does temperament influence a child's development?
2. Botox.
3. Object play.
4. Sensory integrative perspective of praxis.
5. Medical genetics.
6. Essential screening in well baby clinics.
7. Pes planes in children.
8. Floppy baby syndrome.
9. Information processing learning.
10. Role of extended family of a special child.

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

[LQ 1120]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN
PAEDIATRICS
PAPER I – CLINICAL SPECIALITY – I
*Q.P. Code: 419104***

Time : Three hours

Maximum : 100 Marks

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

1. Describe any two developmental Theories of Play. How are the interventions planned for promoting play with developmental theories?
2. Describe the development of Visual discrimination, and form constancy in children. Explain their evaluation and principles of intervention.

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

1. Kohlberg's stages of moral development.
2. Zone of proximal development.
3. Positive reinforcement.
4. Maslow's pyramid.
5. Explain the Wilbarger brushing protocol with theoretical underpinnings.
6. Strength and endurance training for Duchenne's muscular dystrophy.
7. Purposes of Group Therapy for children.
8. Well baby clinics.
9. Development of Prehensions.
10. William's syndrome.

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

[MOT 0321]

MARCH 2021

Sub. Code: 9104

(OCTOBER 2020 EXAM SESSION)

M.O.T. DEGREE EXAMINATION

SECOND YEAR

BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN

PAEDIATRICS

PAPER I – CLINICAL SPECIALITY – I

Q.P. Code: 419104

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Review the medical aspects of the following conditions:
a. Cerebral Palsy b. Muscular Dystrophy c. Nutritional Disorders d. High Risk Infants.
2. Discuss the Biomechanical approach and how do you include the biomechanical principles in play therapy.

II. Write notes on:

(10 x 6 = 60)

1. Ego psychology of Erikson .
2. Hanghurst – Developmental Tasks.
3. Skinners theory of radical behaviorism.
4. Rogers' Self Theory.
5. Heredity and environment.
6. Advanced mobility Skills.
7. Hand dominance.
8. Immunization schedule.
9. Social development.
10. Patterns of Inheritance.

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

[MOT 0921]

**SEPTEMBER 2021
(MAY 2021 SESSION)**

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS
PAPER I – CLINICAL SPECIALITY – I
*Q.P. Code: 419104***

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write the classification of congenital heart defects. Briefly describe the various defects and specify the cardiac assessment for the same.
2. Elaborate on neural tube defects, and discuss in detail about assessment and Occupational Therapy management.

II. Write notes on:

(10 x 6 = 60)

1. Maslow's pyramid.
2. Infectious disease of brain.
3. Down syndrome.
4. Chromosomal aberrations.
5. Electromyography in DMD.
6. Embryonic development of heart.
7. High risk infants.
8. Acute viral bronchiolitis.
9. Nutritional disorder of children.
10. Cognition and learning.

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

[MOT 0222]

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

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
BRANCH III - ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS
PAPER I – CLINICAL SPECIALITY – I
Q.P. Code: 419104**

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write the risk factor, assessment and early intervention of high risk infants. Write the etiopathology and clinical features of Duchene's muscular dystrophy.
2. Briefly explain about the condition Arthrogryposis and its managements with reference to biomechanical approach.

II. Write notes on:

(10 x 6 = 60)

1. Piaget cognitive theory.
2. Pattern of inheritance.
3. Development of fetus.
4. Gross and fine motor development for 0-5 years.
5. Hemispheric specialization.
6. Rickets.
7. Well baby clinics.
8. Habilitation and rehabilitation.
9. Genetic counseling.
10. Roger's self theory.

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[MOT 0622]

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

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS
PAPER I – CLINICAL SPECIALITY - I
Q.P. Code : 419104**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the fine motor development of a child between the ages of 3 months and 2 years in detail.
2. What is play? What are the types and stages of play? How can this knowledge be used in therapy?

II. Write notes on:

(10 x 6 = 60)

1. Hand development in a fetus.
2. Neural tube development.
3. MMR vaccine.
4. Intellectual disability - causes and classification.
5. Well baby clinic.
6. Operant conditioning.
7. Hand dominance.
8. Shaken baby syndrome.
9. Peto's conductive education.
10. Trisomy 18.

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

[MOT 0523]

MAY 2023

Sub. Code: 9104

M.O.T. DEGREE EXAMINATION

SECOND YEAR

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY – I

Q.P. Code: 419104

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the assumptions, postulates, function and dysfunction for paediatric biomechanical frames of reference.
2. Discuss in detail Piagets theory of Cognitive development.

II. Write notes on:

(10 x 6 = 60)

1. Causes and complication of premature deliveries.
2. Fetal alcohol syndrome.
3. Well baby clinics.
4. Hemispheric specialization.
5. Pattern of inheritance.
6. Development of fetus.
7. Reilly's explanation of play.
8. Reflective practice.
9. Erb's palsy.
10. Rogers self theory.

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

[MOT 1223]

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

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted on or before the A.Y. 2021-2022)
BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS
PAPER I – CLINICAL SPECIALITY – I**

Q.P. Code: 419104

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What does Piaget mean by Schema? How does he use this concept in dividing development into various stages? Describe in detail the features of the concrete operational and formal operational stages of development.
2. What is radical behaviourism? Explain the concept of reinforcement and punishment and the various types of reinforcement as studied by Skinner. Illustrate with an example how this can be applied in clinical practice?

II. Write notes on:

(10 x 6 = 60)

1. Zone of proximal development.
2. Draw Maslow's pyramid and explain the levels in brief.
3. What did Erikson call the stage of a child at age 10? Explain the stage in brief.
4. Conventional morality according to Kohlberg.
5. Gross motor skills of a typical 3 years old.
6. Language development between ages of 2 and 5.
7. Symptoms and signs of Duchenne's muscular dystrophy.
8. Meiosis.
9. The PCR test as used in Covid diagnosis.
10. X linked recessive transmission of a disease with an example.

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[MOT 0524]

MAY 2024

Sub. Code: 9104

M.O.T. DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted on or before the A.Y. 2021-2022)

BRANCH III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

PAPER I – CLINICAL SPECIALITY – I

Q.P. Code: 419104

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail the Etiology, Investigation procedures and Management of 8 year old child with recurrent seizures.
2. Discuss in detail about the Assumptions, postulates regarding Function – Dysfunction of Biomechanical frame of reference.

II. Write notes on:

(10 x 6 = 60)

1. Kangaroo Mother care.
2. Reilly – an explanation of play.
3. Havighurst – developmental tasks.
4. Current trend's in Occupational Therapy Practice.
5. Pattern of Inheritance.
6. Respiratory distress Syndrome.
7. Behavior Therapy.
8. Maslow's Pyramid.
9. Developmental Stages of Gross Motor Skill from birth to Adolescence.
10. Genetic Counseling.
