

FEBRUARY 2007

[KQ 804 E]

Sub. Code : 9104

M.O.T. DEGREE EXAMINATION.

(Revised Regulations)

PART II

Branch III — Advanced Occupational Therapy in
Paediatrics

Paper I — CLINICAL SPECIALITY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(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. Short notes : (6 × 5 = 30)

(a) Mary Reiley's explanation on play development.

(b) Hemispheric specialization (or) Lateralization problem for children with learning disabilities.

(c) Explain the following on medical perspective for spasticity management :

(i) Dorsal Rhizotomy

(ii) Botox.

(d) Development of hand function according to Earhardt from infancy to pre-school period.

(e) Eric Erikson stage of emotional development.

(f) Critiques or negativism in Sensory Integration Frame of reference or approach.

March 2009

[KU 804 E]

Sub. Code: 9104 P₁

M.O.T. DEGREE EXAMINATION

(Revised Regulations)

Part II

Branch III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

Paper I – CLINICAL SPECIALITY

Q.P. Code : 419104 P₁

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay Questions :

(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 Short Notes :

(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. Arthrogyrosis.
9. Operant and classical conditioning.
10. Reilly's classification of play, application in occupational therapy.

September 2009

[KV 804 E]

Sub. Code: 9104

M.O.T. DEGREE EXAMINATION

(Revised Regulations)

Part II

Branch III – ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

Paper I – CLINICAL SPECIALITY

Q.P. Code : 419104

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay Questions :

(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 Short Notes :

(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.

APRIL 2011

[KY 804]

Sub. Code: 9104

M.O.T. DEGREE EXAMINATION

SECOND YEAR

Revised Regulation: For candidates admitted from 2005-2006 onwards

Part II

Paper I – CLINICAL SPECIALITY – I

(Elective Subjects)

ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

Q.P. Code : 419104

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay Questions :

(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 Short Notes :

(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 & 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

October 2011

[KZ 804]

Sub. Code: 9104

M.O.T. DEGREE EXAMINATION

SECOND YEAR

PART II

PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)

ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

Q.P. Code : 419104

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

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

April 2012

[LA 804]

Sub. Code: 9104

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PART II**

**PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)
ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS**

Q.P. Code : 419104

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

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

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

II. Write notes on :

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

[LB 804]

OCTOBER 2012
M.O.T. DEGREE EXAM
SECOND YEAR
PART II

Sub. Code: 9104

PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)
ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

Q.P. Code : 419104

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

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 | 20 |
| 2. Principles of Human developmental and Maturation. Explain any three developmental theories. | 17 | 40 | 20 |

II. Write Notes on:

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

[LC 804]

APRIL 2013
M.O.T. DEGREE EXAM
SECOND YEAR
PART II

Sub. Code: 9104

PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)
ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS

Q.P. Code : 419104

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=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 :

(10x6=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 Myelomenigoceol.
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

**M.O.T. DEGREE EXAM
SECOND YEAR**

**PART II
PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)
ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS**

Q.P. Code : 419104

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order

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

**M.O.T. DEGREE EXAM
SECOND YEAR
PART II**

**PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)
ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRICS**

Q.P. Code : 419104

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=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 :

(10x6=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

**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. 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
