

February 2012

[LA 6164]

Sub. Code : 6164

BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION

THIRD YEAR

Paper V– OT IN PAEDIATRICS

Q.P. Code : 786164

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Explain Downs Syndrome? What is the role of Occupational Therapy for a 2 year old diagnosed with Downs syndrome?
2. Describe the signs and symptoms of Muscular Dystrophy? What is the management in OT for a 6 year old boy with Muscular Dystrophy?

II. Write notes on:

(8X5=40)

1. Effects of disability on play behavior
2. Various Grasp Patterns
3. Tactile defensiveness
4. Roods inhibitory technique
5. Oromotor training in CP
6. OT role in hearing impairment
7. Joint protection techniques in haemophilia
8. Rett syndrome

III. Short Answers:

(10X2=20)

1. Hydrocephalus
2. Behavioral characteristics of Autism
3. ATNR
4. Congenital Hip Dislocation
5. Blindism
6. Sleeping disorders
7. Gowers sign
8. ADHD
9. Pediatric splinting
10. Features of athetoid cerebral palsy

[LB 6164]

AUGUST 2012
THIRD YEAR BOT EXAM
Paper – V OT IN PAEDIATRICS
Q.P. Code : 786164

Sub. Code : 6164

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

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

- | | | | |
|---|----|----|----|
| 1. Occupational Therapy management for a 2 year old child with spastic Diplegia. | 19 | 33 | 20 |
| 2. Discuss the role of O.T in early intervention and management of high risk infants. | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|---|---|---|---|
| 1. Special Education Principles. | 3 | 8 | 5 |
| 2. Juvenile Rheumatoid Arthritis. | 3 | 8 | 5 |
| 3. Activities to improve in hand manipulation. | 3 | 8 | 5 |
| 4. O.T management of Erbs Palsy. | 3 | 8 | 5 |
| 5. S.I Dysfunction in Autism. | 3 | 8 | 5 |
| 6. Normal Motor Development from birth to one year. | 3 | 8 | 5 |
| 7. Psychological aspects of hospitalization and O.T role. | 3 | 8 | 5 |
| 8. Explain three Behaviour Disorders. | 3 | 8 | 5 |

III. Short Answers :

- | | | | |
|--|---|---|---|
| 1. Epilepsy. | 1 | 5 | 2 |
| 2. Myelomeningocele. | 1 | 5 | 2 |
| 3. Positive reinforcement. | 1 | 5 | 2 |
| 4. Rooting reflex. | 1 | 5 | 2 |
| 5. Protein deficiency disorders. | 1 | 5 | 2 |
| 6. Arthrogryposis. | 1 | 5 | 2 |
| 7. Common deformities in poliomyelitis. | 1 | 5 | 2 |
| 8. Tetralogy of fallot. | 1 | 5 | 2 |
| 9. Classification of mental retardation. | 1 | 5 | 2 |
| 10. Mention four uses of ball pool. | 1 | 5 | 2 |

[LC 6164]

FEBRUARY 2013
THIRD YEAR BOT EXAM
Paper – V OT IN PAEDIATRICS
Q.P. Code : 786164

Sub. Code : 6164

Time: Three Hours
(180 Min)

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Describe the O.T role with reference to S.I for a child with learning disability?
2. Explain the role of O.T for a child with Atrial Septal Defect?

II. Write Notes on:

(8X5=40)

1. O.T objectives for mental retardation.
2. Spina Bifida.
3. Stages of Play.
4. O.T role in social skills training in Autism.
5. Explain the principles of N.D.T
6. Development of prewriting skills in children.
7. Duchenne Muscular Dystrophy
8. O.T role for a child with AIDS.

III. Short Answers :

(10X2=20)

1. Seizures.
2. Backward chaining
3. Moro reflex.
4. CTEV.
5. Therapeutic values of blow painting.
6. Seating devices in cerebral palsy
7. Nail biting
8. Rickets.
9. Opponens splint.
10. Gravitational insecurity.

[LD 6164]

AUGUST 2013
THIRD YEAR BOT EXAM
Paper V – OT IN PAEDIATRICS
Q.P. Code: 786164

Sub. Code : 6164

Time: Three hours

Maximum : 100 marks

- I. Elaborate on:** **(2x20 = 40)**
- 1 Applications of sensory integration techniques in child with cerebral palsy.
 - 2 Occupational therapy management for 4 year old child with down's syndrome.
- II. Write Notes on:** **(8x5 = 40)**
1. Common deformities in poliomyelitis
 2. Perceptual motor disorders
 3. Normal reflex development till one year of age
 4. Bimanual activities
 5. C T E V
 6. Behaviour problems in children
 7. Values of play
 8. Creative activities
- III. Short Answers on:** **(10x2 = 20)**
1. Parachute reaction
 2. Erb's palsy
 3. Bolster
 4. Water play
 5. Clonus
 6. Strabismus
 7. Drooling
 8. Thumb opponens splint
 9. Typical development
 10. Token economy

[LE 6164]

FEBRUARY 2014
THIRD YEAR BOT EXAM
PAPER V – O.T. IN PAEDIATRICS
Q.P. Code : 786164

Sub. Code: 6164

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Describe the stages of social and emotional development in a normal child until the age of five years
2. Discuss the role of OT in a child with spina bifida.

II. Write Notes on:

(8X5=40)

1. Splinting in Paediatric unit
2. Vestibular Ball
3. Equilibrium reactions
4. Key Points of control
5. Over correction
6. Visual motor integration
7. Peto's Conductive Education
8. Mental retardation.

III. Short Answers:

(10X2=20)

1. Dystonia
2. W-Sitting
3. Joint compression
4. Learning Disability
5. Balance Board
6. Spastic Diplegia
7. Play fullness
8. Ankle foot orthoses
9. Thumb opponens splint
10. Constraint induced therapy.

[LF 6164]

AUGUST 2014

Sub. Code : 6164

**THIRD YEAR BOT EXAM
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786164

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2x20=40)

1. Discuss the significance of the following in the development of a child.
 - a) Moro reflex
 - b) Tonic neck reflex
 - c) Parachute reflex
 - d) Neck righting reflex
2. Describe the roll of occupational therapy in psychological reaction to disability in childhood.

II. Write Notes on:

(8x5=40)

1. Use of Reflex inhibiting patterns in treatment
2. Perceptual development from 0-3 years
3. Occupational therapy for hyperactive child
4. List and describe clinical types of cerebral palsy
5. Describe Ayre's sensory motor integration
6. Rood's inhibitory techniques
7. Common disorders of speech
8. Role of occupational therapy for a child with infantile autism

III. Short Answers on:

(10x2=20)

1. Gower's sign.
2. Bimanual activities.
3. Congenital talipus equino varus.
4. Still's disease.
5. Asymmetrical tonic neck reflex.
6. Over correction.
7. Equilibrium reactions.
8. Night blindness.
9. Key points of control.
10. W sitting.

[LG 6164]

FEBRUARY 2015

Sub. Code : 6164

**THIRD YEAR BOT EXAMINATION
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786164

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Sensory Integration. Explain the sensory integrative therapy for Learning Disability.
2. Occupational Therapy Intervention for a 8 year old child with Duchenne Muscular Dystrophy.

II. Write notes on:

(8 x 5 = 40)

1. Visual motor integration
2. Early Intervention Programme
3. What are habit disorders?
4. Neonatal Reflexes
5. Myelomeningocele
6. Down's syndrome
7. Define MR and Classification of Mental Retardation
8. Gravitational insecurity

III. Short answers on:

(10 x 2 = 20)

1. Babinski Reflex
2. Imitation Play
3. What is Gower's Sign?
4. Denis Browne Splint
5. Define Rickets
6. What is tactile defensiveness?
7. Treatment of Hypertrophic Scar
8. Assymmetrical tonic neck reflex
9. Toys for three month old child
10. Handling Techniques

[LH 6164]

AUGUST 2015

Sub. Code: 6164

B.O.T. DEGREE EXAMINATION

THIRD YEAR

PAPER V – OT IN PAEDIATRICS

Q.P. Code: 786164

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Define specific learning disability. Discuss the problems and management related to occupational therapy.
2. Discuss OT management plan for a school going child with 9 years of age diagnosis of brachial plexus injury.

II. Write notes on:

(8 x 5 = 40)

1. Oro motor dysfunction.
2. Psychological aspects of hospitalization.
3. Mobility aids for children.
4. Hydrocephalus.
5. Principles and techniques of NDT.
6. Jaw control techniques.
7. Splints in pediatric unit.
8. OT management for muscular dystrophy.

III. Short Answers on:

(10 x 2 = 20)

1. Squint.
2. Maintained stretch.
3. Delayed development.
4. Temper tantrum.
5. Playfulness.
6. Equilibrium reaction.
7. Tongue thrust.
8. Reflex development.
9. Poliomyelitis.
10. Sensory modulation problems.

[LI 6164]

FEBRUARY 2016

Sub. Code: 6164

**THIRD YEAR BOT EXAMINATION
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786164

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Childhood Cardiac Diseases, Occupational Therapy assessment and management for the same.
2. Occupational Therapy assessment and management for 8 years old child with mild Mental Retardation.

II. Write notes on:

(8 x 5 = 40)

1. Occupational Therapy for high risk infants.
2. Self care training for visually handicapped children.
3. Social development till 5 years of age.
4. Reinforcement.
5. Values of play.
6. Principles of Paediatric splinting.
7. Nutritional disorders.
8. Hand writing training.

III. Short answers on:

(10 x 2 = 20)

1. Visual neglect
2. Lardosis
3. Weight bearing
4. Hydrocephalus
5. Vestibular ball
6. Erb's point
7. ATNR
8. Self injurious behavior
9. Drooling
10. Sand play

[LJ 6164]

AUGUST 2016

Sub. Code: 6164

**THIRD YEAR BOT EXAMINATION
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786164

Time: Three hours

Maximum: 100 Marks

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

1. For a child with Spastic Cerebral Palsy of 3 years age, describe the intervention and the approaches you would use.
2. Application of sensory integration approach in Pediatric occupational therapy unit.

II. Write notes on: **(8 x 5 = 40)**

1. Hand function development
2. AIDS
3. Visual motor integration
4. Assessment of play
5. Behaviour modification
6. Spina Bifida
7. Toilet training
8. Mid brain level reflexes

III. Short answers on: **(10 x 2 = 20)**

1. Cleft palate
2. Braille
3. Hyperactivity
4. Crawling
5. Self feeding
6. Finger painting
7. Gravitational insecurity
8. Icing
9. Cortical blindness
10. Echolalia

[LK 6164]

FEBRUARY 2017

Sub. Code: 6164

**BOT DEGREE EXAMINATION
THIRD YEAR
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786164

Time: Three hours

Maximum: 100 Marks

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

1. O.T. Intervention for 8 years old child with Juvenile Rheumatoid Arthritis.
2. Discuss occupational therapy treatment plan for an infant with Brachial Plexus injury.

II. Write notes on: **(8 x 5 = 40)**

1. Oral motor training for tongue thrust.
2. Paediatric splinting.
3. Window sign.
4. Hydrocephalus.
5. C T E V.
6. Educational methods for auditory loss.
7. Values of play.
8. Object permanence.

III. Short answers on: **(10 x 2 = 20)**

1. Deep tendon reflexes.
2. Erb's palsy.
3. Bolster.
4. Water play.
5. Clonus.
6. Strabismus.
7. Drooling.
8. Thumb Spica.
9. Rooting reflex.
10. Token economy.

[LL 6164]

AUGUST 2017

Sub. Code: 6164

BOT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2013-2014 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS

Q.P. Code: 786164

Time: Three hours

Maximum: 100 Marks

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

1. Explain Piaget's cognitive stages.
2. Psychological reaction to hospitalization in early adolescence. How to set up a child friendly occupational therapy department?

II. Write notes on: **(8 x 5 = 40)**

1. Parent's play level/classification.
2. STNR and effects of persistence of the level.
3. Sensory seeking behaviors in children with autism.
4. Clinical features of hydrocephalus.
5. Osteogenesis Imperfecta.
6. Intervention for improving hand writing.
7. Language development upto 2 years.
8. Watson's clinical stages in muscular dystrophy.

III. Short answers on: **(10 x 2 = 20)**

1. Time out.
2. Small for gestational age.
3. Head circumference.
4. Tongue thrust.
5. Babinski's sign.
6. Ataxic gait.
7. Use of play dough.
8. Tactile defensiveness.
9. Cortical thumb.
10. Parachute reactions.

[LM 6164]

FEBRUARY 2018

Sub. Code: 6164

BOT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2013-2014 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS

Q.P. Code: 786164

Time: Three hours

Maximum: 100 Marks

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

1. Explain Erb's palsy. What is the role of occupational therapy for a child below 3 years?
2. Describe the signs, symptoms and classifications of Still's disease. Explain the role of occupational therapy for a 5 years old child who is school going.

II. Write notes on: **(8 x 5 = 40)**

1. Gross motor development up to 2 years.
2. Rood's facilitatory techniques.
3. Takata's play classification.
4. Differential reinforcement.
5. Pencil grasps patterns.
6. Athetoid CP.
7. Clinical features of hydrocephalus.
8. List the various muscular skeletal disorders.

III. Short answers on: **(10 x 2 = 20)**

1. ATNR.
2. In-hand manipulation.
3. Gower's signs.
4. Blindism.
5. Corner seat.
6. Pivot prone.
7. Therapeutic activities to facilitate tripod pinch.
8. Sensory avoidance behaviors.
9. Night blindness.
10. AFO/Ankle Foot orthosis.

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

[LN 6164]

AUGUST 2018

Sub. Code: 6164

**BOT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2010-2011 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786164

Time: Three hours

Maximum: 100 Marks

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

1. Role of occupational therapist in the management of high risk infants.
2. Define specific learning disability discuss the problem and management of occupational therapy.

II. Write notes on: **(8 x 5 = 40)**

1. Toilet training for autism.
2. Jaw control techniques.
3. Cortical reflex.
4. Rett's syndrome.
5. Occupational therapy role in hearing impairment.
6. Name two pediatric splints and its uses.
7. Motor development from birth to one year.
8. Peto's conductive education.

III. Short answers on: **(10 x 2 = 20)**

1. Gower's sign.
2. Landau reflex.
3. Cleft palate.
4. Flaccidity.
5. Water play.
6. Drooling.
7. Tactile defensiveness.
8. Head circumference.
9. Inhand manipulation.
10. Impulsivity.

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

[LO 6164]

FEBRUARY 2019

Sub. Code: 6164

**BOT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2010-2011 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786164

Time: Three hours

Maximum: 100 Marks

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

1. Define infantile hemiplegia and its causes, explain in detail the occupational therapy management and adaptation for 7 yrs old child.
2. Describe the role of occupational therapy assessment and its management of sensory integration for autism.

II. Write notes on: **(8 x 5 = 40)**

1. Occupational therapy management for communication disorder.
2. Role of occupational therapy in NICU.
3. ATNR.
4. Key points of control.
5. Intervention for improving hand writing.
6. Inclusive education.
7. Gravitational insecurity.
8. Parten's classification of play.

III. Short answers on: **(10 x 2 = 20)**

1. Over correction.
2. Types of cerebral palsy.
3. Name the mid brain reflex.
4. Uses of play dough.
5. Types of hearing loss.
6. Dysgraphia.
7. Sand play.
8. Name four tactile activities.
9. Cyanosis.
10. Behavioural characteristics of autism.
