

[LL 6184]

AUGUST 2017

Sub. Code: 6184

BOT DEGREE EXAMINATION
(New regulations for the candidates admitted from 2014-2015 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS

Q.P. Code: 786184

Time: Three hours

Maximum: 100 Marks

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

1. Discuss the role of occupational therapy in a child with Athetosis type Cerebral palsy?
2. Child with reading and writing disorder and associated motor co-ordination problem. Discuss the condition and the skillful contribution of occupational therapists in the management?

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

1. Jaw control techniques.
2. Compensatory techniques for visual loss.
3. Parten social classification.
4. Quietening techniques for a child with hyper activity.
5. Mobility aids for children.
6. Tactile defensiveness.
7. Marasmus.
8. Brainstem level reflex and its integration.

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

1. Pencil grasp development.
2. Rooting.
3. Grasp of a cube.
4. Therapy Ball – list any two uses.
5. W Sitting.
6. Blindism.
7. Activities for lip closure.
8. Stages of object permanence.
9. Head Control in prone.
10. Maintained Stretch.

[LM 6184]

FEBRUARY 2018

Sub. Code: 6184

BOT DEGREE EXAMINATION
(New regulations for the candidates admitted from 2014-2015 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS

Q.P. Code: 786184

Time: Three hours

Maximum: 100 Marks

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

1. Describe the detail assessment and treatment of a 1 year old child with Spina Bifida at the level of fifth Lumbar root, referred to you after surgical treatment.
2. a) Early intervention in High risk infants.
b) OT intervention for a child with Erb's palsy.

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

1. Hand writing training.
2. Gravitational insecurity.
3. Toilet training.
4. Special chair for children with cerebral palsy.
5. Self-injurious behavior's.
6. Equilibrium and righting reactions.
7. Perceptual motor disorder.
8. Management of spastic hand.

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

1. Bunny Hopping.
2. Time-out.
3. Precautions to take when treating a child with seizure disorder.
4. Figure ground perception.
5. Aeroplane splint.
6. Sensory sensitivity.
7. Social development in a nine month old child.
8. Corner stool.
9. Development of pellet grasp.
10. Balance board.

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

[LN 6184]

AUGUST 2018

Sub. Code: 6184

**BOT DEGREE EXAMINATION
(New regulations for the candidates admitted from 2014-2015 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786184

Time: Three hours

Maximum: 100 Marks

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

1. School based OT intervention for a 15 year old child diagnosed with Juvenile Idiopathic Arthritis, with 5 years history of diseases activity.
2. Behaviour modification techniques and task analysis to improve ADL skills in a child with moderate mental retardation.

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

1. Pencil grips patterns.
2. Takata's play classification.
3. OT management for Duchenne's muscular dystrophy.
4. Gross motor development till 2 years of age.
5. Supporting reactions.
6. Fine motor skills.
7. Gravitational insecurity.
8. Positioning to prevent drooling.

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

1. Blindism.
2. Seating devices in CP.
3. Co-ordination.
4. Ankle Foot Orthosis.
5. Mobility devices for children.
6. Chaining.
7. Onlooker play.
8. Eye hand co-ordination activities.
9. Adaptations to writing tools.
10. Alertness in infants.

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[LO 6183]

FEBRUARY 2019

Sub. Code: 6183

BOT DEGREE EXAMINATION

(New regulations for the candidates admitted from 2014-2015 onwards)

THIRD YEAR

PAPER IV – OT IN ORTHOPAEDICS AND NEUROLOGY

Q.P. Code: 786183

Time: Three hours

Maximum: 100 Marks

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

1. Describe the clinical features and OT management of Parkinson's disease.
2. What are the principles of Splinting? Describe the different types of splints and their indications.

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

1. Techniques used in the Motor relearning program (MRP).
2. Difference between spondylitis, spondylosis and spondylolisthesis.
3. Autonomic dysreflexia.
4. Median nerve palsy.
5. Methods to prevent shoulder sub-luxation after stroke.
6. Affolter's approach.
7. Assessment of hand functions.
8. Mobility aids for people with physical challenges.

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

1. NDT facilitation techniques.
2. Agnosia.
3. Remedial approach.
4. Open task and closed task.
5. Trendelenburg gait.
6. Body scheme disorders.
7. Assessment of proprioception and Kinesthesia.
8. Scoliosis.
9. Carpal tunnel syndrome.
10. Rigidity.

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

[LP 6184]

AUGUST 2019

Sub. Code: 6184

**BOT DEGREE EXAMINATION
(New regulations for the candidates admitted from 2014-2015 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS**

Q.P. Code: 786184

Time: Three hours

Maximum: 100 Marks

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

1. Occupational Therapy for early intervention and management of high risk infants.
2. Explain Rood's approach including, basic principles, Ontogenic motor patterns of techniques.

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

1. Myelomeningocele.
2. Erb's palsy and O.T. intervention.
3. Explain types of tapping in N.D.T. sensory stimulation.
4. Game epoch in play.
5. Tactile defensiveness.
6. Self care training for visually handicapped children.
7. Chaining techniques and its indication.
8. Splints for infantile hemiparesis.

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

1. Marasmus.
2. Proprioceptive activities.
3. 'W' sitting.
4. Maintained stretch.
5. Clay modeling.
6. Peto's conductive education.
7. Define mental retardation.
8. Rooting Reflex.
9. Name any four creative activities for C.P.
10. Tongue thrust.

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

[LQ 6184]

FEBRUARY 2020

Sub. Code: 6184

BOT DEGREE EXAMINATION
(New regulations for the candidates admitted from 2014-2015 onwards)
THIRD YEAR
PAPER V – OT IN PAEDIATRICS

Q.P. Code: 786184

Time: Three hours

Maximum: 100 Marks

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

1. Elaborate the OT role in the treatment of Cerebral Palsy Spastic Diplegia, of 3 years old boy with normal intelligence. Explain with all appropriate approaches.
2. Occupational therapy management for Haemophilia.

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

1. Occupational therapy management for CTEV.
2. Water play.
3. Psychological reaction to hospitalization.
4. How will you decrease hyperactivity?
5. School based occupational therapy.
6. Occupational therapy management of mild intellectual disability.
7. Gross motor skill development from birth to 5 years.
8. Sensory modulation disorder in autism.

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

1. Gower's sign.
2. Symbolic play.
3. Precautions to be considered in the treatment of flaccid child.
4. How to integrate sucking reflex?
5. Neutral warmth.
6. Splints in Erb's palsy.
7. Classification of hearing loss.
8. Therapeutic values of vestibular ball.
9. Mention any eight features of dyslexia.
10. Task analysis.

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

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 6184

**BOT DEGREE EXAMINATION
THIRD YEAR
(New regulations for the candidates admitted from 2014-2015 onwards)
PAPER V – O.T. IN PAEDIATRICS
Q.P. Code: 786184**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

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

1. OT assessment and intervention in neonatal ICU.
2. Behavior modification techniques to improve adaptive behaviors and to decrease maladaptive behaviors in children with intellectual disability.

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

1. Splinter skills.
2. Hand dominance.
3. Sequence of pre writing skills development.
4. Development of social interaction in play skill development.
5. Down's syndrome & OT management.
6. Normalizing muscle tone.
7. Symbolic play.
8. Key points of control.

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

1. Opisthotonos posturing.
2. Balance board.
3. Righting reactions.
4. Shaping technique.
5. Toe walking.
6. Impulsivity.
7. Aeroplane splint.
8. Opponens splint.
9. Window sign.
10. Exploratory play.

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

[BOT 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)**

Sub. Code: 6184

**BOT DEGREE EXAMINATION
THIRD YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER V – O.T. IN PAEDIATRICS
*Q.P. Code : 786184***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the types of Muscular dystrophy. Describe the interventions and the approaches you would use.
2. Explain principles of Bobath's approach and techniques to improve sitting postural control.

II. Write notes on:

(8 x 5 = 40)

1. Cognitive training for a 3 year old child with Down's syndrome.
2. Developing equilibrium and righting reactions on therapy ball.
3. Explain method of testing and importance of Landau's reflex.
4. Types of specific learning disorders.
5. Seating devices for Cerebral palsy.
6. Describe features and management of Arthrogryphosis multiplex congenita.
7. Normalizing muscle tone.
8. How to integrate brainstem level reflexes?

III. Short answers on:

(10 x 2 = 20)

1. Prewriting skills.
2. Bottom shuffling.
3. Features of rickets.
4. Lower limb deformities in Poliomyelitis.
5. Palmar Grasp.
6. Apraxia.
7. Braille.
8. Erb's point.
9. Rooting Reflex.
10. Habit disorders.

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

[BOT 0122]

**JANUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 6184

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
THIRD YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER V – O.T. IN PAEDIATRICS
Q.P. Code : 786184**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Assessment and management plan for children with Attention Deficit Hyperactive Disorder and School Based Occupational Therapy.
2. What is mean by Learning Disability? Explain occupational Therapy assessment and intervention plan with Approaches used.

II. Write notes on:

(8 x 5 = 40)

1. Integrating ATNR reflex.
2. Bilateral Hand Skills.
3. Sequence of Gross Motor Development till 3 years.
4. Positioning for Feeding.
5. Reflex Inhibiting Pattern.
6. Cerebral palsy.
7. Acquisitional Frame of reference.
8. Takata's play classification.

III. Short answers on:

(10 x 2 = 20)

1. Safety precautions in Therapy settings.
2. Self-Injurious Behaviour.
3. Types of Prompting
4. Rett's Syndrome.
5. Solitary play.
6. Adducted Thumb.
7. Causes of Drooling.
8. Adaptation for Visual impairment.
9. Therapeutic values of Pegboard.
10. Window Sign.

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

[BOT 0622]

**JUNE 2022
(FEBRUARY 2022 EXAM SESSION)**

Sub. Code: 6184

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
THIRD YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER V – O.T. IN PAEDIATRICS
Q.P. Code : 786184**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about the role of Occupational Therapist in treating Duchenne Muscular Dystrophy for a 14 years old wheelchair bound school going boy.
2. Explain about importance of pre operative and post operative OT assessment in Cerebral palsy Diplegic cases.

II. Write notes on:

(8 x 5 = 40)

1. Activities to integrate asymmetric tonic neck reflex.
2. Rood's ontogenic motor patterns.
3. Animal walks.
4. Prenatal history collection.
5. Stereotype behaviour.
6. Importance of head circumference in OT evaluation.
7. Techniques or activities to improve eye contact in Autism children.
8. Micrognathia and feeding adaptations.

III. Short answers on:

(10 x 2 = 20)

1. Tetralogy of Fallot.
2. Rumination habits of eating.
3. Hutt's classification of Play.
4. Wilbarger brush.
5. Corner chair.
6. Timeout technique.
7. Peanut ball.
8. Weighted jacket.
9. Phototherapy in NICU.
10. Tadoma for multiple special sense impaired children.

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

[BOT 1022]

**OCTOBER 2022
(AUGUST 2022 EXAM SESSION)**

Sub. Code: 6184

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
THIRD YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER V – O.T. IN PAEDIATRICS
Q.P. Code : 786184**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the importance of play in Occupational Therapy treatment and write a note on TAKATA Classification of play.
2. Write the fine motor milestone development in normal child from 0 to 5 years of age and explain in brief why is it necessary to check the fine motor development?

II. Write notes on:

(8 x 5 = 40)

1. Activities for pre writing skills.
2. Plan any three home-based vacation activities for Down's syndrome special school going children.
3. Gravitational insecurity.
4. Token economy.
5. Treatment for drooling in 3 years old borderline mental retardation.
6. Ball bath activities for pediatric OT unit.
7. Vitamin D deficiency.
8. Pica eating disorder.

III. Short answers on:

(10 x 2 = 20)

1. Name any four mobility and ambulatory devices for children prescribed by OT.
2. Define Jargon.
3. Grasp reflex.
4. Therapy Ball – list any two uses.
5. Cerebral Palsy chair.
6. Name any two Neural tube defects.
7. Activities for lip closure.
8. Barlow test.
9. Types in Learning Disorder.
10. Standing frame.

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

[BOT 0423]

**APRIL 2023
(FEBRUARY 2023 EXAM SESSION)**

Sub. Code: 6184

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
THIRD YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER V – O.T. IN PAEDIATRICS**

Q.P. Code: 786184

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. CP chair and possible modifications for quadriplegic Cerebral Palsy 5 years old child.
2. Oromotor evaluation for NICU and why is nasal tube feed a poor prognostic indication?

II. Write notes on:

(8 x 5 = 40)

1. Protein Energy Malnutrition.
2. Role of OT in hydrocephalus cases.
3. Techniques to improve sitting tolerance in classroom for ADHD children.
4. Plan any four activities for cancer children in palliative care unit.
5. Mobility aids for children.
6. Name all the sensory subsystems and what is sprouting of neurons in Autism?
7. Peto's Conductive Education.
8. Role of Occupational Therapy in school-based set up.

III. Short answers on:

(10 x 2 = 20)

1. Rollator use.
2. Moro reflex.
3. Rattle toy.
4. Cheese splint.
5. Define Echolalia.
6. Trampoline equipment.
7. Activities for lip closure.
8. Bolster swing.
9. Tactile sensitivity.
10. Ortolani test.

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

[BOT 0824]

AUGUST 2024

Sub. Code: 6184

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION
THIRD YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER V – O.T. IN PAEDIATRICS**

Q.P. Code: 786184

Time Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the OT assessment and intervention in neonatal ICU.
2. How would you treat sensory modulation dysfunctions using Sensory Integration Approach?

II. Write notes on:

(8 x 5 = 40)

1. Precaution for splint use among children with hand skill problems.
2. Hand dominance.
3. Common problems among children with ADHD.
4. Development of social interaction in play skill development.
5. Down's syndrome and OT management.
6. Explain brainstem level reflexes.
7. Motor skills required for in-hand manipulation skills.
8. Key points of control.

III. Short answers on:

(10 x 2 = 20)

1. Opisthotonos posturing.
2. Balance board.
3. Righting reactions.
4. Shaping technique.
5. Tongue thrust.
6. Impulsivity.
7. Best head position for feeding.
8. Opponens splint.
9. Window sign.
10. Exploratory play.

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

[BOT 0225]

FEBRUARY 2025

Sub. Code: 6184

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
THIRD YEAR - (Regulations for the candidates admitted from 2014-2015 to 2021-2022)
PAPER V – O.T. IN PAEDIATRICS**

Q.P. Code: 786184

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Sensory Integration and Behavioral Intervention for 9 years boy with Autism.
2. What is Communication Impairment? Mention various causes for communication impairment. Briefly explain the role of occupational therapy including assistive technologies in improving Communication.

II. Write notes on:

(8 x 5 = 40)

1. Therapeutic Positioning for Pre term Infants.
2. Techniques to control Impulsive behaviors.
3. STNR – Explain the importance and methods of integrating STNR.
4. Parten's classification of play.
5. Occupational therapy for Athetoid Cerebral Palsy.
6. Rood's Facilitatory Techniques.
7. Cognitive, Perceptual and self care developments upto 5 years of age.
8. Pre writing skills.

III. Short answers on:

(10 x 2 = 20)

1. Uses of play.
2. Oral Defensiveness.
3. Define Reinforcements.
4. What is Inclusion School?
5. What is Clonus?
6. Uses of Splints.
7. Define Memory.
8. Rickets.
9. Dyspraxia.
10. Fetal Akinesia.
