

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

[LN 6188]

AUGUST 2018

Sub. Code : 6188

**BOT DEGREE EXAMINATION**  
**(Regulations for the candidates admitted from 2014-2015 onwards)**  
**FOURTH YEAR**  
**PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the role of occupational therapist in management of Spasticity.
2. Define Gait. Discuss on gait analysis. Enumerate various pathological gaits.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Isometric exercises.
2. Tendon transfers in Erb's palsy.
3. Rigidity.
4. Repetitive strain injury.
5. Postural drainage.
6. Above knee prosthesis.
7. Knee Ankle Foot orthosis.
8. Transcutaneous electrical nerve stimulation.

**III. Short answers on:**

**(10 x 2 = 20)**

1. De-quervain's.
2. Bell's palsy.
3. Medial arch support.
4. Define posture.
5. Piriformis syndrome.
6. Nerve conduction study.
7. Agnosia.
8. Cognitive rehabilitation.
9. Peripheral neuropathy.
10. Breathing exercises.

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

[LO 6188]

FEBRUARY 2019

Sub. Code : 6188

**BOT DEGREE EXAMINATION**  
**(Regulations for the candidates admitted from 2014-2015 onwards)**  
**FOURTH YEAR**  
**PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. List the members of Rehabilitation team and discuss the role of each team member in rehabilitation of a young quadriplegic.
2. Discuss the role of occupational therapist in managing behavioural problems in a (Adolescent) Cerebral Palsy child.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Isokinetic exercises.
2. Muscle re-education after tendon transfers.
3. Spasticity.
4. Myofascial pain syndrome.
5. Chronic obstructive pulmonary disease.
6. Below knee prosthesis.
7. Ankle foot orthosis.
8. Wheel chair.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Tennis elbow.
2. Define Gait.
3. Sciatica.
4. Activities of daily living.
5. Agraphia.
6. Osteoarthritis of knee.
7. Dysphagia.
8. Energy conservation.
9. Environmental barrier.
10. Lymphedema.

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

[LP 6188]

AUGUST 2019

Sub. Code : 6188

**BOT DEGREE EXAMINATION**  
**(Regulations for the candidates admitted from 2014-2015 onwards)**  
**FOURTH YEAR**  
**PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the Rehabilitation protocol for a patient who has undergone a right Total Hip Replacement. Write out a home program for this patient.
2. Describe the etiology and classification of Cerebral Palsy. Outline the clinical features and management of a 02 yrs old child with Spastic Diplegia.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Glasgow coma scale.
2. Osteoarthritis of the knee.
3. Carpal Tunnel Syndrome.
4. Bell's Palsy.
5. Opponens splint.
6. Foot drop.
7. CTEV (Club Foot).
8. Claw hand.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Festinant Gait.
2. MRC Grading of Muscle Power.
3. Name the thenar muscles and their nerve supply.
4. Dysdiadochokinesia.
5. Grading of pressure sores.
6. Features of Upper Motor Neuron lesions.
7. Basal Ganglia.
8. Waddling gait.
9. Gowers sign.
10. Grading of spasticity.

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**BOT DEGREE EXAMINATION**  
**(Regulations for the candidates admitted from 2014-2015 onwards)**  
**FOURTH YEAR**  
**PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the physiological changes that occur with aging. Explain the causes of falls and measures to prevent falls in the elderly.
2. Define Scoliosis. Outline the etiology of scoliosis. Describe the management of a ten-year-old girl with Scoliosis.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Deep vein thrombosis.
2. Rhomberg test.
3. Lateral Epicondylitis.
4. Knuckle bender splint.
5. Stump Care.
6. Trophic Ulcer.
7. Fracture disease.
8. Erb's Palsy.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Bell's Phenomenon.
2. Dermatomes of upper limb.
3. Cobb's angle.
4. Define 'impairment' and 'disability'.
5. Name four entrapment neuropathies.
6. Carpal Bones.
7. Compound fracture.
8. Housemaid's knee.
9. Ptosis.
10. Golfer's Elbow.

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

[LR 1220]

DECEMBER 2020

Sub. Code : 6188

(AUGUST 2020 EXAM SESSION)

**BOT DEGREE EXAMINATION**

(Regulations from 2014-2015 onwards)

**FOURTH YEAR**

**PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the physiology of micturition. Outline the causes, clinical features and management of Neurogenic bladder.
2. Describe the rehabilitation of a 30 year old male with traumatic D10 paraplegia.

**II. Write notes on:**

**(8 x 5 = 40)**

1. ASIA grading of spinal cord injury.
2. Postural hypotension.
3. Terminal devices for Upper Limb Prosthesis.
4. Role of physiotherapist in Rehabilitation team.
5. Gait training in patient with right above Knee Prosthesis.
6. Club foot boot.
7. Brown sequard syndrome.
8. Jaipur foot.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Dermatomes of Upper Limb.
2. Dysdiadochokinesia.
3. Claw hand.
4. Upper motor neuron.
5. Classification of Spinal Cord Tumours.
6. Thenar muscles.
7. D-dimers.
8. End feel.
9. Causes of wrist drop.
10. R-J heel.

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

**[BOT 0921]**

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

**Sub. Code: 6188**

**BOT DEGREE EXAMINATION  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)  
PAPER IV – REHABILITATION MEDICINE  
*Q.P. Code : 786188***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the physiological changes that occur with aging. Explain the causes of falls and measures to prevent falls in the elderly.
2. What do you understand by the term 'Rehabilitation Team'? Enumerate the professionals involved in this team and describe their specific roles as members of the rehabilitation team.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Erbs palsy
2. Knuckle bender splint
3. Post polio Syndrome
4. Common impairments in elderly People
5. Architectural barriers
6. Community based Rehabilitation
7. Gait cycle
8. Modified Ashworth's grading of spasticity

**III. Short answers on:**

**(10 x 2 = 20)**

1. Aphasia.
2. Bathing aids.
3. Measurement of elbow crutch.
4. Incentive Spirometry.
5. Phantom limb pain.
6. Pamp.
7. Ulnar paradox.
8. Intrinsic plus deformity.
9. Cerebral palsy types.
10. Philadelphia collar.

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

**[BOT 0122]**

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

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)  
PAPER IV – REHABILITATION MEDICINE  
*Q.P. Code : 786188***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the Theories of Chronic Pain and explain the use of any Two modalities in Pain management.
2. List the potential complications, methods of prevention and management of these complications, in a patient with a T10 Paraplegia.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Autonomous Bladder.
2. Circle of Willis.
3. Postural Hypotension.
4. Wrist drop.
5. Adaptive devices for Rheumatoid hand.
6. Muscle tone.
7. Connections of the Cerebellum.
8. Trigeminal Neuralgia.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Features of Lower Motor Neuron Paralysis.
2. Swan Neck deformity.
3. Cobb's Angle.
4. Neural pathway of Knee jerk.
5. Motor supply of Median Nerve.
6. Transient Ishaemic attack.
7. Moro reflex.
8. Extra-ocular muscles of the Eye.
9. Circumduction gait.
10. Anal reflex.

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

**[BOT 0622]**

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

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)  
PAPER IV – REHABILITATION MEDICINE  
*Q.P. Code : 786188***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the role of Occupational Therapist in setting Short and Long term goals while Rehabilitating a 45 year old Software professional with Right sided Hemiplegia.
2. Compare Community based Rehabilitation with Institution based Rehabilitation.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Isometric exercises.
2. Tendon transfers in Foot drop.
3. Flaccidity.
4. Fibro myalgia.
5. Bronchiectasis.
6. Above Elbow Prosthesis.
7. Dynamic Cock up splint.
8. Sensory Integration kit.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Golfers Elbow.
2. Retro Calcaneal Bursitis.
3. Brachial neuralgia.
4. Peripheral vascular disease.
5. Nerve conduction velocity.
6. Isokinetic dynamometer.
7. Aphasia.
8. Babinski sign.
9. Broncho Pulmonary segments.
10. Carpal tunnel syndrome.

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

**[BOT 1022]**

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

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)  
PAPER IV – REHABILITATION MEDICINE  
Q.P. Code : 786188**

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain the role of occupational therapist in depression.
2. Explain Rood's approach including basic principles, ontogenic motor patterns of techniques.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Assessment of gait parameters.
2. Stages of acceptance proposed by Kubler Ross.
3. Management of dyslexia.
4. Advantages of group therapy.
5. Brainstem level reflex and its integration.
6. Management of spastic hand.
7. Negative symptoms in schizophrenia.
8. Task oriented approach.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Sensory integration.
2. Neutral warmth.
3. Assessment of proprioception.
4. Causes of drooling.
5. Abstract thinking.
6. Angina pectoris.
7. Lumbar pelvic rhythm.
8. Metabolic equivalent task.
9. Tenodesis splint.
10. Extra ocular muscles of the eye.

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

**[BOT 0423]**

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

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)  
PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. List the potential complications, methods of prevention and management of these complications, in a patient with T10 paraplegia.
2. What do you understand by the term 'Rehabilitation Team'? Enumerate the professionals involved in this team and describe their specific roles as members of the rehabilitation team.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Wrist drop.
2. Milwaukee Brace.
3. Features of an ideal stump.
4. Co-ordination exercises.
5. Taylors Brace.
6. Autonomous Bladder.
7. Lateral Column Sensation.
8. Kitchen Modification for Wheel chair bound Patient.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Paraffin bath.
2. Bell's palsy.
3. Housemaid's knee.
4. Agnosia.
5. Flat Foot.
6. Hemiplegic Gait.
7. Assisted Exercise.
8. Opponence Splint.
9. Rigidity.
10. Gutter Crutch.

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

**[BOT 1123]**

**NOVEMBER 2023  
(AUGUST 2023 EXAM SESSION)**

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)  
PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the rehabilitation of a person aged 60 years with Ankylosing Spondylitis.
2. Describe the rehabilitation of a person with Parkinsonism.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Types of Crutches.
2. Community Based Rehabilitation.
3. Delorme Exercises.
4. Weight relieving Caliper.
5. Methods of relieving spasm.
6. Externally powered upper limb Prosthesis.
7. Gate control theory of pain.
8. Energy conservation techniques.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Impairment.
2. Phases of Gait cycle.
3. Aphasia.
4. Contrast Bath.
5. Bionic hand.
6. Clubbing.
7. InCoordination.
8. Plantar fasciitis.
9. Athetosis.
10. What is Clonus?

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

**[BOT 0824]**

**AUGUST 2024**

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)  
PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define and classify Cerebral Palsy. Describe the clinical features and management of a five-year-old child with Spastic diplegia.
2. Define Rehabilitation. Enumerate the professionals involved in this team and describe their specific roles as members of the rehabilitation team.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Osteoarthritis of the knee.
2. Glasgow coma scale.
3. Deep vein thrombosis.
4. Romberg test.
5. Iso-kinetic exercises.
6. Circle of Willis.
7. Lateral Epicondylitis.
8. Knuckle bender splint.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Waddling gait.
2. Extra-ocular muscles of the eye.
3. Housemaids Knee.
4. Gower's sign.
5. Circumduction gait.
6. Ptosis.
7. Grading of spasticity.
8. Anal reflex.
9. Golfers Elbow.
10. Thenar muscles of hand.

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

**[BOT 0225]**

**FEBRUARY 2025**

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Regulations for the candidates admitted from 2014-2015 to 2021-2022)  
PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Outline the architectural barriers likely to be faced by a wheelchair dependant housewife and explain the modifications that can be made.
2. Explain the pathogenesis of the various hand deformities in Rheumatoid Arthritis and describe its rehabilitation.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Carpal Tunnel Syndrome.
2. Trophic Ulcer.
3. Milwaukee Brace.
4. Stump Care.
5. Bell's palsy.
6. Fracture disease.
7. Wrist drop.
8. Opponens Splint.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Define 'impairment' and 'disability'.
2. Dermatomes of upper limb.
3. Name four entrapment neuropathies.
4. Grading of pressure sores.
5. Features of Upper Motor Neuron lesions.
6. Transient Ischemic attack.
7. Carpal Bones.
8. Basal Ganglia.
9. Moro's reflex.
10. March fracture.

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

**[BOT 0825]**

**AUGUST 2025**

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Candidates admitted from the academic year 2014-2015 to 2021-2022)  
PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time : Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define the Geriatric age group. What are the physiological changes that occur in the various systems of the geriatric population? Mention the common impairments of this age group and the management.
2. What do you understand by the term 'Rehabilitation Team'? Enumerate the professionals involved in this team and describe their specific roles as members of the rehabilitation team.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Gait cycle.
2. Features of an ideal below knee stump.
3. Neonatal reflexes.
4. Rotator cuff injury management.
5. DeLorme Progressive Resistance Exercise.
6. Cardio pulmonary changes in the elderly.
7. Hip Knee Ankle Foot orthosis.
8. Syme's prosthesis.

**III. Short answers on:**

**(10 x 2 = 20)**

1. ASIA Grading of Spinal Cord Injury.
2. Tennis elbow.
3. Broca's aphasia.
4. Philadelphia collar.
5. Lumbo sacral belt.
6. Cock up splint.
7. Interdisciplinary team.
8. Intrinsic minus deformity.
9. Cerebral palsy types.
10. Froment's sign.

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

**[BOT 0226]**

**FEBRUARY 2026**

**Sub. Code: 6188**

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE  
FOURTH YEAR - (Candidates admitted from the academic year 2014-2015 to 2021-2022)  
PAPER IV – REHABILITATION MEDICINE**

*Q.P. Code: 786188*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. What are the cardinal features of Parkinson's disease? How will you rehabilitate a 45 years old Parkinson's patient?
2. Discuss the etiology, clinical features, investigations and rehabilitation measures of a 3 years old child suffering from Duchenne muscular dystrophy.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Milwaukee Brace.
2. Community Based rehabilitation.
3. Post-polio syndrome.
4. Architectural barriers.
5. Occupational therapist.
6. Common impairments in elderly people.
7. Causes for falls in the elderly.
8. Rheumatoid hand deformities.

**III. Short answers on:**

**(10 x 2 = 20)**

1. SACH foot.
2. Interdisciplinary team.
3. Foot drop.
4. Various levels of amputation in the lower limb.
5. Tinel's sign.
6. Congenital Talipes Equino Varus (CTEV) deformity.
7. Components of a wheel chair.
8. Dysarthria.
9. Various levels of amputation in the upper limb.
10. Gowers sign.

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