

[KQ 810]

FEBRUARY 2007

Sub. Code: 9110

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

SECOND YEAR

(Revised Regulations)

PART – II

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

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. Write the pathophysiology and Occupational therapy management and its effectiveness about shoulder pain in hemiplegia. **(20)**
2. Discuss coma arousal therapy or coma stimulation in patients with traumatic brain injury in terms of theoretical base rationale, goals, principles and techniques. **(15)**
3. Discuss the Occupational Therapy management and its effectiveness in patients with Parkinson's disease. **(15)**

II. Write notes on:

(6 x 5 = 30)

1. Write about Occupational Therapy management of Chronic Regional Pain Syndrome (CRPS).
2. Describe rancho los Amigos Scale and the role Occupational Therapy for individuals with Head injury at Rancho level more than 6.
3. Write about Nerve gliding exercises in peripheral nerve injuries of upper limb.
4. Write about Sensory re-education for individuals with stroke.
5. Explain modified constraint induced movement therapy and its effectiveness on individuals with stroke.
6. Write about Occupational Therapy management of spasticity.

[KR 804]

SEPTEMBER 2007

Sub. Code: 9105

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

SECOND YEAR

(Revised Regulations)

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419105

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. Describe in detail the various movement disorders and explain the role of occupational therapy. **(20)**
2. Define coma. Write the theories of coma, rationale, principles and techniques of coma stimulation. Discuss its effectiveness. **(15)**
3. Write the classification of muscular dystrophies.
Discuss in detail the role of occupational therapy for a person with Duchenne muscular dystrophy. **(15)**

II. Write notes on:

(6 x 5 = 30)

1. Middle Cerebral Artery (MCA) infarct.
2. Classification of intra-cranial tumours.
3. Occupational Therapy for multiple Sclerosis.
4. Role of occupational therapy for myasthenia gravis.
5. Apraxia.
6. Transverse myelitis.

[KS 804]

MARCH 2008

Sub. Code: 9105

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

SECOND YEAR

(Revised Regulations)

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419105

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. Describe the occupational therapy process of intervention in disorders of spinal cord and root.
2. Discuss the important aspects of treatment of degenerative disorders.

II. Write notes on:

(10 x 6 = 60)

1. Motor neuron disorder.
2. Pain.
3. Brachial plexus lesion.
4. Spina bifida.
5. Extra pyramidal system.
6. Autonomic nervous system.
7. Multiple sclerosis.
8. Consciousness.
9. Parkinsons.
10. Nutritional disorders.

[KV 804]

SEPTEMBER 2009

Sub. Code: 9110

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

SECOND YEAR

(Revised Regulations)

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. State the various levels of consciousness. How do you measure it and elaborate on the rationale and techniques of Neuro-cognitive stimulation approach. Mention the contra-indications of the stimulation too.
2. Classify intracranial tumors. Explain the evaluation methods and elaborate on the treatment plan for a client with glioma involving fronto parietal region.

II. Write notes on:

(10 x 6 = 60)

1. Orthoses that modify spasticity.
2. Neurogenic bladder-types and management.
3. Management of a hemiplegic shoulder.
4. Environmental control system for a patient with motor neuron disease.
5. Glasgow coma scale.
6. List three theories of causes of multiple sclerosis.
7. Erb's palsy.
8. What is therapeutic window?
9. Application of biomechanical approach in a patient with myotonia.
10. Occupational therapy management in hyper kinetic disorder.

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

SECOND YEAR

(Revised Regulations)

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. Outline the broad classification of lower motor neuron conditions.
Explain the clinical picture and the occupational therapy process of intervention in each of them, based on the site of lesion at different levels of lower motor neuron.
2. Discuss the three classifications of nerve injury and goal of sensory reeducation following nerve repair. List the hierarchy of nerve function return as it relates to sensory re-education.

II. Write notes on:

(10 x 6 = 60)

1. Classifications of tumours.
2. Vital capacity in spinal injury patients.
3. Management of a client with organic brain syndrome, found to be in level III according to Claudia Allen's scale cognitive level test.
4. Write about occupational therapy management of chronic regional pain syndrome. (CRPS).
5. Explain modified constraint induced movement therapy and its effectiveness on individuals with stroke.
6. Write about occupational therapy management of spasticity.
7. Brachial plexus lesion.
8. Spina bifida.
9. Extra pyramidal system.
10. Consciousness.

[KX 810]

SEPTEMBER 2010

Sub. Code: 9110

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

Revised Regulation: For candidates admitted from 2005-2006 onwards

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

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 important aspects of treatment of Degenerative Disorders.
2. Discuss about application of Motor learning concepts to activity based intervention with Adult Hemiplegia.

II. Write notes on:

(10 x 6 = 60)

1. Pain.
2. What is Hydrocephalus? Explain the Signs and Symptoms.
3. Rehabilitation of patient with disorders of attention.
4. What is Beriberi?

Write a note on signs and symptoms and its occupational therapy management.

5. Autonomic Nervous System.
6. Motor Neuron disorder.
7. Transverse Myelitis.
8. Apraxia.
9. Middle Cerebral Artery Infarct (MCA).
10. Explain various Speech disorders.

[KY 810]

MAY 2011

Sub. Code: 9110

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

SECOND YEAR

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. Describe the clinical features of Parkinson's disease. Discuss the OT goals and treatment for Hoehn & Yahr stage II Parkinson's disease.
2. Discuss in detail the OT management of Amyotrophic Lateral Sclerosis.

II. Write notes on:

(10 x 6 = 60)

1. Glasgow Coma Scale.
2. Role of OT in disorders of the autonomic nervous system.
3. Diabetic peripheral neuropathy.
4. Syringomyelia.
5. Constraint Induced Therapy in hemiplegia upper limb retraining.
6. Occupational Therapy in Myasthenia Gravis.
7. Frenkel exercises for ataxia.
8. Neurological manifestations of Neuropsychological disorders.
9. Managing behavioral problems in head injury patients.
10. Strategies to improve disorientation.

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION**SECOND YEAR****PART – II****(ELECTIVE SUBJECTS)****BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY****PAPER II – CLINICAL SPECIALITY - II****Q.P. Code: 419110****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. Explain the pathology underlying traumatic brain injury. Occupational therapy management for 30 year old IT profession with traumatic brain injury at stage V-VI of Ranchos los Amigos scale. | 17 | 40 min. | 20 |
| 2. Define muscular dystrophy. Classification, treatment goals and approaches used in occupational therapy management. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Top down approach. | 4 | 10 min. | 6 |
| 2. Explain the wheel chair positioning for patient with traumatic brain injury at acute stage. | 4 | 10 min. | 6 |
| 3. What environmental modification should be made to accommodate a client with Huntington's diseases? | 4 | 10 min. | 6 |
| 4. Clinical symptoms and splints used for Volkman's ischemic contracture. | 4 | 10 min. | 6 |
| 5. Low back pain. | 4 | 10 min. | 6 |
| 6. Brachial plexus injury. | 4 | 10 min. | 6 |
| 7. Occupational therapy goal and intervention for visually impaired children. | 4 | 10 min. | 6 |
| 8. Spinal tumors. | 4 | 10 min. | 6 |
| 9. Disc prolapse. | 4 | 10 min. | 6 |
| 10. Recent trends in management of head injury. | 4 | 10 min. | 6 |

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION**SECOND YEAR****PART – II****(ELECTIVE SUBJECTS)****BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY****PAPER II – CLINICAL SPECIALITY - II****Q.P. Code: 419110****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. Discuss the assessment of the hemiplegic upper limb using both clinical and standardized methods. Also explain how treatment goal and plan is decided based on assessment. Explain with examples or flow charts. | 17 | 40 min. | 20 |
| 2. Discuss in detail the OT management of cerebellar disorders. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Rancho Los Amigos Scale for coma. | 4 | 10 min. | 6 |
| 2. OT treatment for Motor neuron disease, Madras type. | 4 | 10 min. | 6 |
| 3. Carpal Tunnel syndrome. | 4 | 10 min. | 6 |
| 4. Dystonia. | 4 | 10 min. | 6 |
| 5. Managing attentional deficits in head injury patients. | 4 | 10 min. | 6 |
| 6. Discuss the common feeding problems in hemiplegia and the OT management. | 4 | 10 min. | 6 |
| 7. Treatment of gait disorders in Parkinson's disease. | 4 | 10 min. | 6 |
| 8. Transfer training in paraplegia. | 4 | 10 min. | 6 |
| 9. Management of sensory deficits in peripheral nervous system disorders. | 4 | 10 min. | 6 |
| 10. Managing visual-perceptual problems in hemiplegia. | 4 | 10 min. | 6 |

MASTER OF OCCUPATIONAL THERAPY (M.O.T.) DEGREE EXAMINATION**SECOND YEAR****PART – II****(ELECTIVE SUBJECTS)****BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY****PAPER II – CLINICAL SPECIALITY - II****Q.P. Code: 419110****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. Describe types of Multiple Sclerosis with clinical features.
Discuss in detail the role of OT in management of Multiple Sclerosis. | 17 | 40 min. | 20 |
| 2. Discuss factors that influence outcomes in stroke rehabilitation with appropriate research evidence. What are the implications of these factors in Occupational Therapy treatment? | 17 | 40 min. | 20 |

II. Write Notes on :

- | | | | |
|---|---|---------|---|
| 1. Occupational therapy in Guillian Barre syndrome. | 4 | 10 min. | 6 |
| 2. Management of upper limb dysmetria. | 4 | 10 min. | 6 |
| 3. Management of Shoulder subluxation in hemiplegia. | 4 | 10 min. | 6 |
| 4. Explain Paraplegia in flexion and paraplegia in extension. | 4 | 10 min. | 6 |
| 5. Coma stimulation. | 4 | 10 min. | 6 |
| 6. Hoehn and Yahr staging of Parkinson's Disease. | 4 | 10 min. | 6 |
| 7. Management of chronic pain in neurological conditions. | 4 | 10 min. | 6 |
| 8. Prevention of pressure ulcers in patients with paraplegia or quadriplegia. | 4 | 10 min. | 6 |
| 9. Management of radial nerve compression. | 4 | 10 min. | 6 |
| 10. Management of sensory dysfunction in central nervous system disorders. | 4 | 10 min. | 6 |

[LC 810]

APRIL 2013

Sub. Code: 9110

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

SECOND YEAR

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

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 neuropathology of stroke. Explain in detail about management of stroke: to improve their ability to do activity in standing.
2. What is spinal cord injury? Explain in detail about the occupational therapy management for a patient with T12 complete injury.

II. Write notes on:

(10 x 6 = 60)

1. Client centered approach.
2. Glasco coma scale and Rancho's los amigos scale.
3. Explain the symptoms and types of multiple sclerosis.
4. Advanced wheel chair training for a T 5, 6 paraplegia.
5. Define cumulative trauma disorder and role of Occupational therapist to prevent it.
6. Neurological complication of drugs.
7. Coma stimulation.
8. Signs and symptoms of intracranial tumors and possible treatment.
9. What is spinal bifida and types?
10. Disorders of consciousness.

[LE 810]

APRIL 2014

Sub. Code: 9110

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

SECOND YEAR

PART – II

(ELECTIVE SUBJECTS)

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail the etiopathology of shoulder pain following hemiplegia.
Describe in detail the preventive and management strategies for shoulder pain with research evidence of effectiveness.
2. Describe in detail the etiopathology, clinical presentation, course and medical management of multiple sclerosis. Explain the OT management in detail.

II. Write notes on:

(10 x 6 = 60)

1. Radial nerve palsy.
2. OT Goals in Stage 3 of Hoehn and Yahr for Parkinson's disease.
3. Bladder dysfunction in spinal cord injury.
4. OT goals in Duchenne's muscular dystrophy.
5. Sciatic nerve compression.
6. OT management of attentional deficits in traumatic brain injury.
7. Adaptive aids for incoordination.
8. Balance disorders in diabetic peripheral neuropathy.
9. Constraint-induced therapy.
10. Caregiver training in dementia.

[LF 810]

OCTOBER 2014

Sub. Code: 9110

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

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

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

1. Describe in detail Parkinson's disease and its impact on occupational performance.
Explain the stage-wise OT goals and management of Parkinson's disease.
2. Explain the clinical presentation and medical management of Acute Inflammatory Demyelinating Polyneuropathies. Describe the OT management.

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

1. Shoulder pain in hemiplegia.
2. Neurological disorders of Vitamin B 12 deficiency.
3. OT in Myasthenia Gravis.
4. Coma Stimulation.
5. Secondary complications in paraplegia.
6. Visual field deficits.
7. Signs and symptoms of Altered sensorium.
8. OT management of upper limb dysmetria.
9. Carpal Tunnel Syndrome.
10. OT goals in Spina-bifida.

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

BRANCH IV – ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code: 419110

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw suitable diagrams where ever necessary

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

1. Define CVA. Explain in detail occupational therapy intervention for 60 year old man in village with left hemiplegic, in respect to community setting.
2. Define triple nerve palsy.
Occupational therapy management for 45 year old person with Triple Nerve Palsy.
Emphasize on surgical management, post operative management, sensory and motor retraining.

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

1. Ranchos loss amigo scale.
2. Volkmann ischemic contracture.
3. Transfer technique for T₁₂ paraplegic.
4. Occupational Therapy management for deaf and dumb.
5. Demyelinating diseases.
6. Neurological complication of drug and toxins.
7. Pathophysiology of head injury.
8. Extra pyramidal tract.
9. Intracranial tumors.
10. Bacterial meningitis.

[LI 810]

APRIL 2016

Sub. Code: 9110

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER II – CLINICAL SPECIALITY - II
BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY**

Q.P. Code: 419110

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Muscular Dystrophy. Occupational therapy evaluation, management of a 35 year old person with Duchene Muscular Dystrophy.
2. Occupational therapy intervention process for a 13 year old child with blindness.

II. Write notes on :

(10 x 6 = 60)

1. Difference between right and left CVA.
2. Down's syndrome.
3. Intracranial Hypertension.
4. Cauda Equine Lesion.
5. Guillain Barre Syndrome.
6. Cortical sensation and its evaluation.
7. Pyramidal tract.
8. Polyneuropathies.
9. Metabolic Encephalopathy.
10. Spina Bifida and its types.

[LK 810]

MAY 2017

Sub. Code: 9110

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER II – CLINICAL SPECIALITY - II
BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY**

Q.P. Code : 419110

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are disorders of consciousness? Describe the OT management for a patient with Traumatic Brain Injury based on RLA stages.
2. What is Cerebral Venous Thrombosis? Describe the OT management in detail.

II. Write notes on:

(10 x 6 = 60)

1. Wheelchair consideration for a patient with Right Brain damage.
2. Erb's Palsy.
3. Triple nerve palsy.
4. Functional Outcome based on the level of SCI.
5. Robotic therapy for hand rehabilitation after stroke.
6. Complex regional pain syndrome.
7. Hoehn and Vahr stage of Parkinson's disease.
8. Activity dependent plasticity.
9. OT role in ALS.
10. Assessment of Aphasia.

[LL 810]

OCTOBER 2017

Sub. Code: 9110

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER II – CLINICAL SPECIALITY - II
BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY**

Q.P. Code : 419110

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What is Tenodesis grasp? Describe the OT management for a patient with C6 complete Spinal cord injury.
2. What is Hypoxic Ischemic Encephalopathy? Describe the OT management for a patient in locked in syndrome.

II. Write notes on:

(10 x 6 = 60)

1. Communication aids.
2. Shoulder subluxation in hemiplegia.
3. Glasgow coma scale.
4. Palliative care.
5. Postural control training in Parkinson's disease.
6. OT role in Brachial plexus injury.
7. Functions of autonomic nervous system.
8. Prognosis in Motor Neuron Disease.
9. Management of agitated patient.
10. Fugl Meyer Assessment for voluntary control.

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

[LM 810]

MAY 2018

Sub. Code: 9110

M.O.T. DEGREE EXAMINATION

SECOND YEAR

PAPER II – CLINICAL SPECIALITY - II

BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

Q.P. Code : 419110

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the types of Intra-cranial tumors. Write the role of OT in Glioblastoma Multiforme.
2. Describe the OT interventions to retrain upper extremity functions after stroke with recent advancement.

II. Write notes on:

(10 x 6 = 60)

1. Intervertebral disc prolapsed.
2. Development of tenodesis grasp in spinal cord injury.
3. Executive functions intervention.
4. Shoulder hand syndrome.
5. Dementia.
6. Management of in-coordination.
7. Neuro-psychiatric disorders associated with TBI.
8. Treatment principles in Guillain-Barre Syndrome.
9. Application of bio-feedback in neurological conditions.
10. Role of virtual reality in occupational therapy.

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

[LN 810]

OCTOBER 2018

Sub. Code: 9110

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER II – CLINICAL SPECIALITY - II
BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY**

Q.P. Code : 419110

Time : Three hours

Maximum : 100 Marks

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

1. What are disorders of consciousness? Describe the assessment and intervention strategies for patient's in disorders of consciousness.
2. Describe the OT intervention strategies for patients with Parkinson's disease.

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

1. American spinal injury association (ASIA) scale.
2. Management of low back pain.
3. Total claw hand.
4. Clinical features in multiple sclerosis.
5. Prognosis of motor neuron disease.
6. Cortical blindness.
7. Botulinum toxin and spasticity.
8. Management of agitative behavior.
9. Fugl meyer assessment.
10. Management of shoulder subluxation.

OT1HE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LP 810]

OCTOBER 2019

Sub. Code: 9110

M.O.T. DEGREE EXAMINATION

SECOND YEAR

BRANCH IV - ADVANCED OCCUPATIONAL THERAPY

IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY - II

Q.P. Code : 419110

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail the recent advancement in Stroke Rehabilitation.
2. Describe the complications of spinal cord injury and their management.

II. Write notes on:

(10 x 6 = 60)

1. Brachial plexus injury.
2. Bed positioning in acute stroke.
3. Memory retraining.
4. Cerebral Venous Thrombosis (CVT).
5. Return to work status after stroke.
6. Interventions for sensory dysfunctions.
7. Orthotic management in TBI.
8. Role of functional electrical stimulation in OT.
9. Alternative Augmentative communication (AAC).
10. Management of minimal conscious state.

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

[LQ 810]

**NOVEMBER 2020
(MAY 2020 EXAM SESSION)
M.O.T. DEGREE
SECOND YEAR**

Sub. Code: 9110

**BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY
PAPER II – CLINICAL SPECIALITY – II**

Q.P. Code : 419110

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What is Palliative care? Describe OT role for a patient with Malignant Brain Tumour.
2. Describe the clinical features of Multiple Sclerosis? Write in detail the OT management of or a 35 years old housewife with Multiple Sclerosis.

II. Write notes on:

(10 x 6 = 60)

1. OT role in Erb's palsy.
2. Hand function Training using Task oriented approach.
3. OT management for Apraxia.
4. Autonomic Dysreflexia.
5. Assessment of Peripheral Nerve Injuries
6. Muscle and sensory re-education.
7. Types of Aphasias.
8. Screening tools for assessing Cognition.
9. Balance training for patients with Parkinson's Disease.
10. Biofeedback in OT.

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

[MOT 0321]

**MARCH 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 9110

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
BRANCH IV - ADVANCED OCCUPATIONAL THERAPY
IN NEUROLOGY
PAPER II – CLINICAL SPECIALITY - II
Q.P. Code : 419110**

Time : Three hours

Maximum : 100 Marks

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

1. What is chronic subdural hematoma? Add a note on its causes and symptoms. Discuss the Occupational therapy management for a 45 years old male bank manager with chronic subdural hematoma.
2. What is demyelinating disorders? Discuss the types and causes. Discuss the Occupational therapy management for 40 years old female housewife with Guillain Barre Syndrome.

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

1. Pathophysiology of cerebrovascular disease
2. OT management for a 7 years old girl with dystonia
3. Klumpke's paralysis
4. Sensory retraining for patients with peripheral nerve injury
5. Complications of spinal cord injury
6. OT management for adult with hydrocephalus
7. Paraplegia in flexion and paraplegia in extension
8. Role of OT in nutritional disorders
9. Allen's cognitive level
10. Myasthenia gravis

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

[MOT 0222]

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

Sub. Code: 9110

**M.O.T. DEGREE EXAMINATION
SECOND YEAR
BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY
PAPER II – CLINICAL SPECIALITY - II
*Q.P. Code : 419110***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the occupational therapy management for a 50 years female housewife with Motor neuron disease.
2. Discuss in detail the occupational therapy management for Neuropsychological disorders.

II. Write notes on:

(10 x 6 = 60)

1. Spinal trauma.
2. Hand function assessment tools.
3. Chiari malformation.
4. Role of OT in Amyotrophic lateral sclerosis.
5. Mononeuropathy.
6. Benign intracranial hypertension.
7. Recent trends in occupational therapy management.
8. Brachial plexus syndrome.
9. OT management for Huntington's disease.
10. Spinal dysraphism.

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

[MOT 0223]

**FEBRUARY 2023
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 9110

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

**BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY
PAPER II – CLINICAL SPECIALITY – II**

Q.P. Code : 419110

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write the pathophysiology and occupational therapy management and its effectiveness about shoulder pain in hemiplegia.
2. Define Coma. Write the theories of coma, rationale, principles and techniques of Coma stimulation.

II. Write notes on:

(10 x 6 = 60)

1. Classifications of Intra-Cranial Tumours.
2. Application of Biomechanical approach in a patient with myotonia.
3. Vital Capacity in spinal injury patients.
4. What is Beriberi? Write a note on Signs and Symptoms and Occupational Therapy Management.
5. Motor Neuron Disease.
6. Intervertebral Disc Prolapse.
7. Management of In-Coordination.
8. Role of Virtual Reality in Occupational Therapy.
9. Management of Agitative Behaviour.
10. American Spinal Injury Association (ASIA) Scale.

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

[MOT 1223]

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

Sub. Code: 9110

M.O.T. DEGREE EXAMINATION

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

BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY – II

Q.P. Code: 419110

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about Metabolic encephalopathy and discuss the Occupational Therapy management.
2. Discuss the OT management for a patient with stage 4 in Rancho Los Amigos scale.

II. Write notes on:

(10 x 6 = 60)

1. Saturday night palsy.
2. Berg balance scale.
3. Duchenne muscular dystrophy.
4. Extra pyramidal system disorders.
5. Neurocutaneous syndrome.
6. Classification of intracranial tumors.
7. Pathophysiology of disc prolapse.
8. Transfer training in paraplegia.
9. OT management for Ataxia.
10. Disorders of special senses.

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

[MOT 0524]

MAY 2024

Sub. Code: 9110

M.O.T. DEGREE EXAMINATION

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

BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY

PAPER II – CLINICAL SPECIALITY – II

Q.P. Code: 419110

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the clinical presentation and stages of Parkinson's disease and explain in detail Occupational therapy management with emphasis on occupational performance for a patient in Stage 3.
2. Discuss the clinical presentation and functional limitations for patient with C5 – C6 incomplete spinal cord injury and add a note on Occupational therapy management for the same.

II. Write notes on:

(10 x 6 = 60)

1. OT management for 45 years old male, bank cashier with Multiple sclerosis.
2. Disorders of vision.
3. Signs and symptoms of altered sensation.
4. Role of OT in Tic disorder.
5. Wechsler memory scale.
6. Ataxia – symptoms and OT management.
7. Head injury patient in Vegetative state.
8. Clinical features and OT management for Encephalitis.
9. Robotic assisted therapy for stroke patients.
10. Diagnostic scales.
