

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

**[MOT 1024]**

**OCTOBER 2024**

**Sub. Code: 9117**

**M.O.T. DEGREE EXAMINATION**

**SECOND YEAR - (Regulations for the candidates admitted from the academic year 2022-2023)**

**BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY**

**PAPER I – CLINICAL SPECIALITY – I**

*Q.P. Code: 419117*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. How does the sensory system affect posture and balance control? Write about the assessment and treatment of the sensory strategies in patients with postural disorders.
2. Write about the differences between traditional and contemporary approaches. Describe in detail the carr and shepherd's motor relearning program for stroke.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Endurance training by using Bio-mechanical approach.
2. Role of reticular activating system in consciousness.
3. Technologies in cognitive retaining.
4. Motor functions of the cerebral control.
5. Evaluation of speech disorder.
6. Wheelchair adaptation in spinal cord injury.
7. The major division of the central nervous system.
8. Describe the diagonal patterns of Proprioceptive Neuromuscular Facilitation for upper and lower limbs with examples.
9. Explain the cross section of spinal cord and reflexes of spinal cord.
10. Electro myography.

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

**[MOT 1025]**

**OCTOBER 2025**

**Sub. Code: 9117**

**M.O.T. DEGREE EXAMINATION  
SECOND YEAR - (Candidates admitted 2022-2023 onwards)  
BRANCH IV - ADVANCED OCCUPATIONAL THERAPY IN NEUROLOGY  
PAPER I – CLINICAL SPECIALITY – I**

*Q.P. Code: 419117*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the application of Neurodevelopment therapy for a patient with right Middle Cerebral Artery infarct.
2. Motor functions of the cerebral cortex. The hypothalamus and control of integrative process.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Roods components of motor control.
2. Surgical management of Neurological conditions.
3. Gate control theory of pain.
4. The role of the vestibular system in posture and movement.
5. Therapeutic use of any two special senses in neuro rehabilitation.
6. Occupational Therapy management of memory deficits.
7. Evaluation of reflexes and reactions.
8. Power Wheelchair and mobility devices.
9. Task oriented approach.
10. Meta – cognitive skills and management.

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