

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

**[BPT 0324]**

**MARCH 2024  
(FEBRUARY 2024 EXAM SESSION)**

**Sub. Code: 6265**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR  
(Candidates admitted upto the academic year 2016-2017)  
PAPER II – P.T. IN NEUROLOGY**

*Q.P. Code: 746265*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the pathophysiology of stroke, outlining the different types and their neurological consequences. Discuss potential PT treatment options based on stroke type and presentation.
2. Discuss the primary goals of physical therapy during the early stage of recovery in patients with severe to moderate Traumatic Brain Injury.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Glasgow coma scale.
2. Theories of motor control.
3. Assessment of 2<sup>nd</sup> cranial nerve.
4. Lower extremity Proprioceptive Neuromuscular Facilitation patterns.
5. Involuntary movements.
6. Superficial Reflexes.
7. Neurogenic Bladder.
8. What are the goals of physiotherapy in CP?

**III. Short answers on:**

**(10 x 2 = 20)**

1. Structures involved in the visual pathway.
2. Major neurotransmitters in the brain and what are their key functions?
3. Functions of the cerebellum.
4. Explain the function of the blood-brain barrier.
5. What are the different lobes of the brain and its primary functions?
6. Bradykinesia.
7. Babinski sign.
8. Stereognosis test.
9. Uses of splints.
10. Moro reflex.

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