Roll No: | | | | | | | | | |

The Assam Royal Global University, Guwahati

Royal School of Medical and Allied Sciences

Bachelor of Physiotherapy, 7th semester

Special Supplementary Examination, August 2024

Course Title : Physiotherapy in Neuro and Psychosomatic Conditions

Course Code : PHT242C704

Time: 3 Hours **Maximum Marks: 70**

Note: Attempt all questions as per instructions given.

The figures in the right-hand margin indicate marks.

Section – A

1. Attempt **all questions**. (Maximum word limit 50) **2 x 8**

a. What do you mean by Reflex Theory of motor control?
b. Write down the various components of GCS.
c. Mention the different Neuro-inhibitory techniques.
d. What is Romberg's test?
e. What are the principles of NDT approach?
f. What is Trendelenburg gait?
g. Mention the cardinal features of Parkinson's disease.
h. Write down the clinical features of myasthenia gravis.

2. Attempt **any one** of the following: **12 x 1**

a. What is motor learning? Discuss in detail the theories of motor learning
b. Write about the various pathological gaits in detail.

3. Attempt **any two** of the following: **7 x 2**

a. Explain the PT management of Muscular dystrophy.
b. Outline the various strategies in physiotherapy used to improve balance.
c. Describe the different neuromuscular techniques for facilitation and inhibition.

4. Attempt **any two** of the following: **7 x 2**

a. Elaborate the Brunnstrom approach with its principles.
b. Write the importance of dual task training and task specific training in stroke rehabilitation.
c. Plan the gait rehabilitation for a hemiplegic patient in detail.

5. Attempt **any two** of the following: **7 x 2**

a. Describe the PT management of Multiple sclerosis.
b. Outline the pathophysiology of Muscular Dystrophy with its PT management.
c. Write a note on the neurological complications in SCI.