

End Semester/Reappear (Semester VII) Examination December, 2024

Programme: BPT

Course: Physiotherapy in Neurological Conditions - I

Course Code: 23A702

Enrolment no. _____

Full Marks: 70

Time: 3 Hrs.

	Questions	CO	Bloom Taxonomy Category	Marks
Section I				
1	Short Answer type questions.			
a	Explain the sensory examination in detail.	CO2	Understand	4 x 5 = 20
	or			
b	Draw the Brodmann's area of brain.	CO2	Remember	
	Explain the concepts of key points utilized in neurodevelopmental approach.	CO4	Understand	
	or			
c	Elaborate on ontogenic development as per Rood.	CO4	Understand	
	Explain the correlation between spinal nerves and dermatomes.	CO5	Understand	
d	or			
	Write down short term goals for a T10 level Spinal cord injury patient.	CO5	Apply	
	Summarise any 3 types of Aphasia.	CO6	Remember	
	or			
	Elaborate on global aphasia .	CO6	Remember	
Section II				
Long Answer type questions.				
2	Discuss about the pathological reflexes and the neurophysiology behind it.	CO1	Understand	3 x 10 = 30
	or			
3	Explain why corticospinal tract is also known as pyramidal tract and draw its pathway. State the correlation of the knowledge of its pathway with assessment.	CO1	Apply	
	or			
4	How will you distinguish between UMN & LMN lesion?	CO3	Understand	
	or			
5	Discuss the characteristics and assessment procedure of tone and reflex differing in UMN & LMN lesions.	CO3	Apply	
	or			
6	Formulate a treatment plan that can be applied to bring a patient from Brunnstorm stage 2 to stage 4 of recovery.	CO4	Apply	
	or			
	Discuss the basic procedures for facilitation utilized in PNF.	CO4	Understand	
Section III				
Application based questions				
5	Prepare a list related to the impairments and appropriate assistive devices for an individual with C ₅ level of spinal cord injury.	CO5	Evaluate	1 x 20 = 20
	or			
	Formulate a comprehensive treatment plan for a T ₁₀ level of spinal cord injury patient based on ICF.	CO5	Create	

COURSE OUTCOME

At the end of the course candidate will able to

CO1 Recall neuroanatomy and physiology

CO2 Assess neurological conditions

CO3 Differentiate upper and lower motor neuron disease.

CO4 Apply different approaches like Bobath's, Rood's, Vojta, motor relearning, Brunnstorm movement therapy, Sensory integration therapy and re-educate and retrain neurological patient

CO5 Treat Spinal cord injury patient

CO6 Distinguish different speech disorder.