





BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Physiotherapy-2021/B.Physiotherapy-2022/B.Physiotherapy-2023

Course Name - Exercise Therapy - II

Course Code - BPTC302 (Semester III)

Full Marks: 60

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

Time: 2:30 Hours

- 1. Choose the correct alternative from the following:
- Select among the following in which the load remains constant during training session
 - a) DeLorme

b) Watkin

c) McQueen

- d) Zinovief
- (ii) Identify the one which is not a type of contracture
 - a) Arthrogenic contracture

- b) Myostatic contracture
- c) Pseudomyostatic contracture
- d) None of the these
- (iii) Choose the full form of SNAG
 - a) Sustained natural apophyseal glide
- b) Sustained neural apophyseal glide
- c) Systematic natural apohyseal glide
- d) Sustained natural active glide
- (iv) Record the maximum weight that can be used in Cervical Traction
 - a) 1/3 rd of Body Weight

b) 1/5 th of Body Weight

c) 1/6 th of Body Weight

- d) Half of body Weight
- (v) Determine the one which is a predisposing factor of impaired balance
 - a) Obesity

b) Old Age

c) Gender

- d) None of these
- (vi) Identify the primary concept of the Specific Adaptation to Imposed Demands (SAID) Principle.
 - a) The body adapts specifically to the type of demand placed on it.
- b) Muscles will recover completely between
- c) Muscles will strengthen only when
- workouts.
- exercised regularly.
- d) Exercising one muscle group will benefit the entire body.
- (vii) Identify the energy system is used for short, high-intensity activities.
 - a) Fat oxidation system

b) Aerobic system

c) Anaerobic glycolysis

- d) Phosphagen system
- (viii) Determine the role of multistage testing in exercise programs.

	To determine an individual's exercise capacity and endurance	b) To assess muscle flexibility	
	To evaluate energy expenditure	d) To monitor bone density	
(ix) In	dicate which is not a component of normal	gait.	
	Stance phase	b) Swing Phase	
	Balance Control	d) Double limb support	
(x) Id	entify the normal range of steps per minute	for an adult during walking.	
	30-50 steps	b) 50-70 steps	
	80-100 steps	d) 140-160 steps	
	entify the other name of "savasana".	Inimali and mad	
-	Jacobson's method rood's method	b) Mitchell's method	
	rood's method ate that endurance developes in response to	d) vojta	
	repetitive contraction minimum resistance	b) Maximum resistance	
	entify the true statement for resisted exerci-	d) no resistance	
	Can be applied both manually and	b) any form of active movement that is	
	mechanically	resisted	,
	includes aeribic exercise	d) all of these	
	plain the physiological effects of soft tissue		
	remove dead cells	b) improve circulation	
	both 1 & 2	d) none of these	
(xv) Th	e myocardial oxygen consumption typically	change during aerobic exercise likely as-	
a)	Increases	b) Decreases	
c)	Fluctuate	d) Remain same	
		up-B	april (s
	(Short Answer	Type Questions)	3 x 5=15
2 Deter	rmine the contraindications of stretching over	ordinal to egy uson a / Sifty Ground vi	(3)
	 Determine the contraindications of stretching exercises. Interpret the endpoints requiring termination of the exercise stress testing. 		
	pret the determinants of Resistance exercise		(3)
	5. Discuss the factors which predispose to Poor posture.		
	6. Illustrate the phases of gait cycle according to the RLA method.		
		OR STATE OF THE ST	(3)
Distir	nguish features of the space walk or sensory	ataxia.	(3)
		Jingenty was at the be	
		oup-C	F 6 00
	(Long Answer	Type Questions)	5 x 6=30
7 Evol	lain about the NACs and SNACs during string	and the standard of the section	(5)
	 Explain about the NAGs and SNAGs during giving mobilization of the spine. Explain the physiological adaptations of resistance training in muscle performance and 		(5) (5)
	er systems.	ice training in muscle performance and	(3)
	te an aerobic exercise program using model	of FIIT-VP for a patient with chronic illnes	s. (5)
10. Expl	lain the neurophysiological response of mus	scle to stretch.	(5)
11. Describe about the physiology of in-coordination.			(5)
12. Expl	ain the core stabilization exercises and its b		(5)
Event		OR Trouble had been at metage various orbigi	makt jin
Ехрі	ain the motor strategies for balance control	mateu notableu	(5)

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