Seat No:	Enrollment No:

## PARUL UNIVERSITY

## FACULTY OF PHYSIOTHERAPY

	, 11	y Łxam	ination November 2017			
Year:			Date: 27-11-2017			
•	ct Code: 07101201		Time: 10.00am to 01.00 pm Total Marks: 70			
Subje	ct Name: Exercise Therapy-II	Total Marks: 70				
1. All 2. Figu 3. Dra	ections: questions are mandatory. ures to the right indicate full marks. w Diagram wherever necessary. te sections – A, sections – B on separate answ	ver sheet	S.			
	S	ECTIO	N - A			
Q.1	<b>Explain different grading systems for </b> I	MMT. I	Discuss steps to follow for MMT of	(15)		
	quadriceps and hamstring muscles.					
		OR				
Q.1	What is postural drainage? Write about b various techniques used in postural draina	_	nciple, indication, contraindication and	(15)		
0.2	Write Short Notes (any three) (5 Marks Ea	0		(15)		
<b>~</b>	(a) Clapp's crawl	ucii)		(10)		
	(b) Principles and application of lumbar t	raction				
	(c) FITT Principle.	raction				
	(d) Determinants of gait.					
03	Multiple Choice Question (1 Mark Each)			(05)		
Ų.J	1. Rhythmic stabilization is an	techni	que that can be implemented to increase	(03)		
	joint stability.	_ (((()))	ique that can be implemented to increase			
	(a) Isometric	(b)	Isotonic			
	(c) Isokinetic	` '				
	2. Contraindication of manipulations is:	(0)				
	(a) Locked Joint	(b)	Acute nerve root compression			
	(c) Pain free stiff joint	` '	None of the above			
	3. Cooling down exercises are performed	` ,				
	(a) 5 to 8 minutes	_	1 to 2 minutes			
	(c) 15 to 20minutes	` ′	12 to 16 minutes			
	4. What should be the temperature of wa					
	(a) 22 to 42 degree		32 to 35 degree			
	(c) 27 to 35 degree		15 to 20 degree			
	5. Rapid, forceful, intermittent, high spe		_			
	(a) Self-stretching		Ballistic stretching			
	(c) Cyclic stretching		Mechanical stretching			
SECTION – B						
0.1	What is neuromuscular co-ordination?	Exnlai	in the role of Frenkle's exercise in	(15)		
	rehabilitation.	-		,		
		OR				
Q.1	2.1 Discuss in detail about the principles and application of hydrotherapy and a note on					
	application of bad ragaz technique.					
<b>Q.2</b>	.2 Write Short Notes (any three) (5 Marks Each) (15)					
	(a) Concave – convex rule with example.					
	(b) Pelvic tilt and its importance in postur	e.				
	(c) Types of Contracture.					
	(d) Mat activities for re-education of hemiple	egics.				

Q.3	Mu	ltiple Choice Question (1 Mark Each)					
	1.	Irreversible and adaptive shorting of muscle is known as:					
	(a)	Tightness	(b)	Deformity			
	(c)	Contracture	(d)	None of the above			
	2. In order to maximize the effectiveness of postural drainage techniques for the						
		middle lobe a therapist should elevate the foot of the bed inches.					
	(a)	10	(b)	8			
	(c)	16	(d)	24			
	<b>3.</b>	3. The best method to examine the grade 2 power of elbow flexors is:					
	(a)	Patient lying supine	(b)	Patient lying prone			
	(c)	Patient sitting with shoulder neutral	(d)	Patient sitting with shoulder 90 degree abducted			
	4.	Normal stride length is about	•	abducted			
	(a)	35 to 41 cm	(b)	41 to 47 cm			
	(c)	15 to 20 cm	(d)	70 to 82 cm			
	5.	A physical therapist treating a patien	t in supir	ne elects to reinforce active movement of			
lower extremity in flexion, adduction and lateral rotation pattern. This Pr							
		neuromuscular technique pattern is termed:					
	(a)	D1 Flexion	(b)	D1 extension.			

(d) D2 extension.

(c) D2 flexion.

(05)