PHYSICAL MEDICINE AND REHABILITATION

PAPER – IV

PMR/D/16/35/IV

		PMR/D/16/3	55/TV	
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		x. Marks : 100		
	Important instructions:			
	•	Attempt all questions in order.		
	•	Each question carries 10 marks.		
	•	Read the question carefully and answer to the point neatly and legibly. Do not leave any blank pages between two answers.		
	•	Indicate the question number correctly for the answer in the margin space.		
	•	Answer all the parts of a single question together.		
	•	Start the answer to a question on a fresh page or leave adequate space between two answers.		
	•	Draw table/diagrams/flowcharts wherever appropriate.		
		ite short notes on:	4 0	
1.		What are environmental control devices?	4+6	
	D)	What type of devices would be helpful in a patient having tetraplegia at C4 level?		
2.		What is functional electrical stimulation?	4+6	
	b)	How is it helpful in a patient having paraplegia at D7 level? Give the		
		principles of its usage.		
3.	2)	What are architectural barriers?	$\mathbf{O} \cdot (\mathbf{A} \cdot \mathbf{A})$	
з.		What are the common barriers for a patient on a wheel chair and how	2+(4+4)	
	0)	would you address them?		
4.	a)	What types of interface devices are available for propulsion of a	5+5	
	,	motorized wheel chair in a patient having C5 level tetraplegia?		
	b)	What are the prescription criteria for each type of such a device?		
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5.	a)	What are the principles of evaluation of permanent physical impairment	6+(2+2)	
	b)	in a patient having post-polio residual paralysis of the lower limb? Write each component involved in such evaluation along with		
	0)	combining formula. How many doctors need to certify it?		
6.	a)	What is body weight supported gait training?	4+4+2	
		How is it helpful in training a person with hemiplegia?		
	c)	What does the recent literature say about its efficacy?		
7.	a)	How does the quadrilateral socket differ from the Ischial containment	5+5	
7.	a)	socket?	5+5	
	b)	Compare the two sockets for their advantages and disadvantages.		
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8.	a)	What are the recent advances in the prosthetic foot ankle mechanisms	6+4	
	ل م)	for a trans-tibial amputation for athletic activities?		
	D)	How are they helpful in increasing the efficiency of the athlete?		
9.	a)	What are the principles of interventional pain management?	5+5	
		What are the modalities used in this?		
10.		What is sacral anterior root stimulator device?	5+5	
	D)	How is it useful in patients with spinal cord injury?		