

PHYSIOTHERAPY TECHNIQUES HSSC-I SECTION - A (Marks 20)

Time	allow	ed: 25	Minutes			Versio	n Numb	per 1 8 5	5	
Note:	OMR	Answei	s compulsory. All par r Sheet which should intendent. Deleting/ov	be completed	In the fi	rst 25 minut	tes and I	nanded over to	ded the	
Q. 1	Choose the correct answer A / B / C / D by filling the relevant bubble for each question on the OMR Answer Sheet according to the instructions given there. Each part carries one mark.									
	1)		using short wave diathe	_		-			low	
			tric constant,	_ being most sat						
		<u>A</u>	Air B.	Water	C.	lce	D.	Ultrasonic gel		
	2)		istance of IRR (Infrared	Rays) lamp is ke	e pt us ually	at	_ from the	e patient de p endii	n g o n	
		-	t of generator.			75 55	<u>-</u>			
		A. C.	75 m or 50 m		В.	75 mm or 55				
	3)	C. Sound	10 cm or 5 cm	wayon in matter	D.	10 cm or 50	cm	d fra mayamant		
	3)	A.	waves are Circular B.	Spiral	C.	Longitudinal	Mich to and D	Transverse		
	4)		enser filed and cable me			ing with:	U.	ransverse		
	.,	A.	Ultrasound	anous are assur-	B.	Microwave [)iathermy			
		C.	Infrared Rays		D.	Short Wave				
	5)	Rise ir	n temperature induces _	of mu						
		A.	Relaxation B.	Excitation	Ç.	Numbness	D.	Endurance		
	6)	A Fara	adic type of current stim	ulates	nerves.					
		Α.	Spinal B.	Motor		Cranial	D.	Sensory		
	7)		ficial heating effect in bo	ody tis sues is po						
		Α.	Actin therapy		В.	Chemothera	ру			
	٥)	C.	Radiotherapy	-l D	D.	IRR		- 1		
	8)		sive exposure to Infrare siological changes in:	d Rays may caus	se taintnes	ss because of	tall in blo	od pressure. It is	because	
		A.	Kidney B.	Liver	C.	Brain	D.	Heart		
	9)		a patient is unable to p						n acciet	
	0,		of muscle.	oddoc d masolo	OOTH ACE	in ditor ricive	nijury, tre	cai	1 433131	
		A.	Electrical stimulation		В.	Warm stimul	ation			
		C.	Cold stimulation		\mathbf{D}_{i}^{\perp}	Prickling stin				
	10)	All ato	ms are built up of	basic type	s of partic	les.				
		A.	3 B.	4	C.	5	D.	6		
	11)		s transmitted by		j ects w hic	h are in <mark>c</mark> onta	ict with e a	ich other or betwe	en	
			nt parts of same object.		_		_			
	40)	A.	Convection B.	Conduction	C.	Radiation	D.	Osmosis		
	12)	_	intensity of current is: Hertz B.	\	_	A	Б	185-11-		
	13)	A. Diro ct		Volts	C.	Ampere	D.	Watts		
	13)	A.	application of Infrared F Cataract B.	Dry eyes car	C.	Allergy	D.	None of these		
	14)		odality of choice for sup	erficial heating e		Allergy	U,	None of these		
	` ' ' '	Α.	Infrared Rays	ornolar nearing c	В.	Traction				
		C.	Ultraviolet rays		D.		ous electr	ical nerve stimula	ator	
	15)	Humar	n ear can detect sound	waves with frequ						
			er frequency. The inaud				,- ,			
		Α.	Ultra sonic waves		B.	Ultraviolet ra	ys		İ	
		C.	Magnetic waves		D.	Audible soun				
	16)	_	ial Nerve Palsy, the app		in Physiot	herapy depar	tment is:			
		Α.	Electrical Nerve stimu	lator					1	
		B.	Magnetism	3 1	1 4					
		C. D.	Transcutaneous electi	rical nerve stimul	lator					
	17)		Pulley circuits	n principles of		industion				
	11)	A.	c transformer is based of Electromagnetic	in himcibies of _	B.	induction. Electrostatic			į	
		C.	Electronic		D.	None of thes	e			
	18)	O .	is rate of doing wo	rk i e amount of			C			
	. •,	A.	Energy B.	Force	C.	Work	D.	Power	1	
	19)		is a weak point in					_	n it:	
	,	A.	Battery B.	Cell	C.	Dielectric	D.	Fuse		
	20)		exist within the r							
		A.	Electron and proton		B.	Electron and				
		C.	Proton and Neutron		D.	Electron and	Positron			



Q. 7

PHYSIOTHERAPY TECHNIQUES HSSC-I

NOTE	pro	swer any ten parts from Section 'B' and any three questions from Section 'C' on the separately ovided answer book. Use supplementary answer sheet i.e. Sheet-B if required ite your answers neatly and legibly.						
		SECTION - B (Marks 50)						
Q. 2	Answer any TEN parts. The answer to each part should not exceed 2 to 5 lines. (10 x 5 = 50)							
	(i)	Define transformer.						
	(ii)	What are the dangers of IRR (Infrared Rays)?						
	(iii)	What is the difference between sensory and motor nerves?						
	(iv)	Discuss reflection of sound waves briefly.						
	(v) Write about resonance.							
	(vi) What is the significance of therapeutic ultrasound under water?							
	(vii)	Define resistances in series.						
	(viii)	Name any two heating modalities for superficial and deep heating effects.						
	(ix)	Define Interrupted Direct Current.						
	(x)	What do you understand by Patient Circuit while using Short Wave Diathermy?						
	(xi)	Name effects and uses of Galvanic Current.						
	(xii)	Define low frequency current.						
	(xiii)	Define physiotherapy.						
	(xiv)	What are the characteristics of sound?						
	(xv)	Write contraindications of Short Wave Diathermy.						
		SECTION - C (Marks 30)						
Note	:	Attempt any THREE questions. All questions carry equal marks. (3 x 10 = 30)						
Q. 3	What do you understand by therapeutic ultrasound?							
Q. 4	Explain Galvanic Current in detail.							
Q. 5	Explain PHYSIOLOGICAL and therapeutic effects of Infrared Rays (IRR) when applied on 27 years old female							
	patient with low backache.							
Q. 6	Explain structure and working of a diode.							

Explain any one high frequency current and write about the equipment used.

— 1HA 1847——