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STEEL STORY AND SERVICE OF THE SERVI	Roll No.			
TO THE PARTY OF TH	Sig. of Cand	idate	 	

Answer Sheet No	_
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APPLIED SCIENCES HSSC-II

ſE:	Section—A is compulsory. All parts of this section are to be answered on the question paper itself it should be completed in the first 10 minutes and handed over to the Centre Superintendent Deleting/overwriting is not allowed. Do not use lead pencil.										
	Circle the correct option i.e. A / B / C / D. Each part carries one mark.										
	(i)	The t	ype of memory v	vhich ca	in store conten	t after the	power is off and	used in	digital cameras is;		
		A.	DRAM	В.	SRAM	C.	Flash Memor	y D.	Both A and B		
	(ii)	Which	n one of the follo	wing re	lates to the two	parts of C	PU?				
		A.	Control unit a	nd soft	ware	В.	Control unit a	ind hard	disk		
		C.	Control unit a	nd USB	1	D.	Control unit a	ind ALU			
	(iii)	Whic	h one is true?								
		A.	Ink jet printer	s have h	nigh resolution	than laser	printer.				
		В.	Ink jet printer	s are av	ailable only for	black and	white printing.				
		C.	Laser printers	are av	ailable for only	colour prin	nting.				
		D.	Ink jet and lase	er printei	rs both are non i	impact prini	ter having black 8	k white ar	nd colour printing.		
	(iv)	Whic	h one of the follo	wing pr	inter is impact	printer?					
		A.	Dot matrix pri	nter		В.	Ink jet printer				
		C.	Laser printer			D.	Snap shot pr	inter			
(v) CRT monitor stand for:											
		Α.	Central ray tu	ibe mon	itor	В.	Cathode ray	tube mor	nitor		
		C.	Calibrated rai	m tube i	monitor	D.	Cathode ray	terminolo	ogy monitor		
	(vi)	Whic	h one of the follo	wing st	atement is true	?					
		A.	RAM does no	ot store	data and progra	amme.					
		В.	ROM is volati	ile.							
		C.	SRAM does	not need	d to be recharg	ed and hol	ld its content lon	ger.			
		D.	DRAM chips	also do	es not need to	be recharg	ged.				
	(vii)	Whic	h one of the follo	wing ex	opression is CC	RRECT re	elating to Einstei	n's equa	tion?		
		A.	$m = \frac{E}{C}$	В.	$E = \frac{C^2}{m}$	C.	$E = \frac{m}{C^2}$	D.	$\frac{1}{m} = \frac{C^2}{E}$		
	(viii)	Whic	h one of the follo	wing ur	nit is used to m	easure the	capacitance of	a capaci	tor?		
		A.	Rem	В.	Farad	C.	Roentgen	D.	Joule		
	(ix)	Radia	ation measuring	instrum	ents are calibra	ated in:					
		A.	Rem	В.	Rad	C.	Curie	D.	Roentgen		
	(x)	What	/hat does the triple "MMM" safety stand for?								
		A.	Material man	and ma	aintenance	B. Man material and medicine			dicine		
		C.	Man Machine	e and m	aintenance	D.	Man machine	machine and material			
	For E	xamine	er's use only:								
			•			Tota	l Marks:		10		

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APPLIED SCIENCES HSSC-II

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

Answer any twelve parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION - B (Marks 24)

Q. 2	Answe	(12 x 2 = 24)		
	(i) Write a few lines on central processing unit of computer.			
	(ii) Define the term "CISC and RISC".			
	(iii) Write few factors which affect processing speed.			
	(iv)	Write the types of "RAM".		

- Write the main parts of central processing unit of computer. (v) What is the difference between "RAM and ROM"?
- (vi)
- What is the function of ALU in computer? (vii)
- What is the text code system in computer? (viii)
- (ix) How printers of computer are evaluated?
- How does laser printer work? (x)
- What do you mean by chronic disease? (xi)
- Write effects of ultrasound. (xii)
- Write five units used to measure radiations. (xiii)
- (xiv) Write three parts of earthling system.
- If a consumer has a total load of 2200 watts at 220 volts. What will be its leakage current limit? (xv)
- Write two mathematical formula of power, using ohm's law? (xvi)

SECTION - C (Marks 16)

Note:		Attempt any TWO questions. All questions carry equal marks. (2 x 8 = 16)
Q. 3	a.	Explain "Mutual Induction"	
	b.	Write a note on "Electric Shock hazard".	
Q. 4	a.	Write types of storage devices of computer and how does magnetic storage device work?	
	b.	How do dot matrix printers work?	
Q. 5	a.	Write a short note on modern atomic structure of an atom.	
	b.	Write a short note on (GFCI) i.e "Ground Fault circuit interrupter".	

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