COMEDIATE AND				
	Roll No.			
	Sig. of Candidate			
PLAMABADE				

Answer Sheet No	26	87
Sig. of Invigilator	UV	

:	lt s	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)	Whic	h one of the following memory	are needed to rec	harge frequently with	h electricity?
		A.	SRAM	В.	DRAM	
		C.	Flash memory	D.	SRAM and Flash	n memory
(	(ii)	The o	pi used to measure the image	e quality of printer,	refers to:	
		A.	Decimeter per inch	В.	Decibel per inch	
		C.	Decibel per instant	D.	Dot per inch	
(	(iii)	Lase	r are responsible to bond parti	cles of toner to pap	er by:	
		A. B. C. D.	Heat Pressure A and B Mutual cohesive force of pa	articles with the par	<b>De</b> r	
(	(iv)	The a	actual manipulation of data tak	es place in:		
		A.	Hard disc	В.	Arithmetic Logic	Unit
		C.	Key board	D.	Mouse	
(	(v)	Whic	h one is true?			
		A. B. C. D.	The CPU cannot find any p RAM is non-volatile When power is off, RAM's o RAM is volatile			
(	(vi)	The a	pproximate value of Gigabyte	:		
		A.	10 <sup>6</sup>	В.	10 <sup>9</sup>	
		C.	10 <sup>12</sup>	D.	10 <sup>-6</sup>	
(	(vii)	Whic	n one is true?			
		A. C.	Mold is unicellular Yeast is multicellular	B. D.	Mold and yeast a Spores can be ea	re two forms of fungi asily destroyed
(	(viii)	The d	levice which changes energy f	rom one form to an	other form is:	
		A.	CRT	В.	Resistance	
		C.	Transducer	D.	Electrodes	
(	(ix)	Whicl	n one is true?			
	•	A. B. C. D.	Laser radiation is non-mone Laser radiation is non-cohe Laser beam cannot be abso Laser radiation can be abso	rent orbed and coherent		
(	(x)	The c	orrect formula for Maximum P	ermissible D <b>ose</b> (M	MPD) is:	
		A.	5 (N −18) Rads	В.	5 ( <b>N</b> − <b>3</b> ) Rads	
		C.	10 (N −18) Rads	D.	2 (N –6) Rads	

Marks Obtained:



## APPLIED SCIENCES HSSC-II



Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer an

(vi)

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 Answer any TWELVE parts. The answer to each part should not exceed 2 to 4 lines. (12 x 2 = 24)
  (i) Write few lines about CPU.
  (ii) Write five essential techniques for using a mouse.
  (iii) Write three common variants of the mouse.
  (iv) Write uses of optical input devices.
  (v) Write four features during comparison of monitors.
  - (vii) What is flash memory and where it is used?
  - (viii) What is main difference between DRAM and SRAM?

List five types of high quality printing devices used in business.

- (ix) Write the difference between "RAM and ROM".
- (x) Write types of "RAM".
- (xi) Define potential and potential difference.
- (xii) Define centripetal and centrifugal force with example.
- (xiii) Define capacitor and inductor with their respective unit.
- (xiv) What is "Electro Dynamic Principle".
- (xv) Define Macro and Micro shock.
- (xvi) Write the names of five different units used to measure radiation.

## SECTION - C (Marks 16)

Note:	-	Attempt any TWO questions. All questions carry equal marks.	( 2 x 8 = 16 )
Q. 3	(a)	Write the types of lonizing radiation.	
	(b)	Write late effects of radiation.	
Q. 4	(a)	Write a short note on computer and CPU.	
	(b)	Write note on software and hardware of computer.	
Q. <b>5</b>	(a)	Write a short note on "Ultrasound".	
	(b)	Write clinical applications of "Ultrasound"	