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Microwave transmission Satellite communication

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# COMPUTER SCIENCE HSSC-I

## SECTION - A (Marks 15)

Time allowed: 20 Minutes								
NOTE:	(	on the que	estion paper itself. It shoul	d be completed in t	I parts of this section are to be answered the first 20 minutes and handed over to the red. Do not use lead pencil.			
	Ci	Circle the correct option i.e. A / B / C / D. Each part carries one mark.						
	(i)	Whic	Which of the following is used to produce hardcopy of graphs, maps and engineering drawings?					
		Α.	Line Printer	В.	Chain Printer			
		C.	Plotter	D.	Scanner			
	(ii)	Whic	ch of the following is a part of	FCPU?				
		Α.	RAM	B.	ROM			
		C.	BIOS	D.	ALU			
	(iii)	) How	many layers does the OSI n	nodel consist of?				
		A.	5	B.	6			
		C.	7	D.,	8			
	(iv	) Whic	ch of the following is the mos	t important layer cond	cerned with transmitting a stream of data over			
		the p	physical cables and wires?					
		Α.	Physical layer	B.	Data link layer			
		C	Network layer	D.	Transport layer			
	(V	) Whic						
		Α.	Keyboard	B.	Mouse			
		C.	Scanner	D.	Video Camera			
	(vi	) In sy	In synchronous transmission, the interval between two characters is always exactly					
		Α.	Same	B.	Different			
		C.	Zero	D.	Low			
	(vi	i) Whic	ch of the following is ideal for	long distance comm	unication?			
		A.	Fibre optics Coaxial cables					

Student Bounts, com DO NOT WRITE ANYTHING HERE

(viii)	What	What unit is used to measure data communication speed?					
(*****)	Α.	Hertz	B.	Kbps			
	C.	Baud	D.	Nibbles			
(ix)	Which A.	of the following devices is used to conne Modem	ect two o	computers in the same building? Fax Card			
	C.	Ethernet Card	D.	Sound Card			
(x)	Which service A. B. C. D.	n of the following is defined as maintaining ses and commodities by means of computer CAD / CAM Computer Simulation E-Commerce ISO	g busine er telec	ess relationships and selling information, ommunication networks?			
(xi)	What	does CIM stand for?					
	A. B. C. D.	Computer Integrated Manufacturing Computer International Management Copy In Memory Computer Intel Marketing					
(xii)	Whic	Which is the part of the computer where actual processing takes place?					
	A.	ALU	В.	CU			
	C.	RAM	D.	Hard disk			
(xiii)	Whic	Which of the following is NOT a semi-conductor memory?					
	A.	RAM	B.	ROM			
	C.	CD	D.	Flash disk			
(xiv)	Which instru	ch register normally functions as a 16-bit outtions are fetched from memory? PC	counter B.	that controls the sequence in which the IR			
	C.	DR	D.	DAR			
(xv)	White time A. B. C. D.	ch of the following facilitate a number of p by connecting it to other PCs or worksta Multi-sharing Multi-tasking Multi-user operations Network operations	eople to	o use computer and its software at the same			
For	Examin	er's use only:					
	Total Marks: 15						
			Mai	rks Obtained:			

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## COMPUTER SCIENCE HSSC-I

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Time allowed: 2:40 Hours

NOTE:- Sections 'B' and 'C' comprise pages 1-2 and questions therein are to be answered on the separately provided answer book. Answer any thirteen parts from Section 'B' and attempt any three questions from Section 'C'. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

#### SECTION - B (Marks 39)

#### Q. 2 Attempt any THIRTEEN parts. The answer to each part should not exceed 5 to 6 lines. $(13 \times 3 = 39)$

- What is TCP / IP? Explain briefly. (i)
- What is meant by Browsing and Browsers? (ii)
- Draw a diagram of CRT and label its parts. (iii)
- What is meant by "Access Time"? (iv)
- What is Data Communication? Write three basic elements of data (V) communication system.
- How do virus spread? Write any three ways. (vi)
- What are Protocols? List its key elements. (vii)
- Differentiate between Star Topology and Ring Topology. (VIII)
- Write a short note on coaxial cables. (ix)
- Flat screen monitors are becoming more popular than conventional (x) CRT monitors. Give three reasons.
- Define CAD, CAM and CIM. (xi)
- Define GUI. List four important features of windows. (XII)
- What is meant by the term 'Virus Hoax'? (XIII)
- Why is it necessary to backup data regularly? (xiv)
- What is copyright? (XV)
- (xvi) Write a short note on finding files in Windows.
- (xvii) Differentiate between E-mail Address and URLs.

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### SECTION - C (Marks 21)

Note:- Attempt any THREE questions. All questions carry equal marks.
(3 x 7 = 21)

Q. 3	a.	Write a detailed note on the disadvantages of the Internet.	04
	b.	Write six primary domains for US Internet sites.	03
Q. 4 a.		Explain the following with reference to word processing:	4.5
		(i) Word Wrap	
		(ii) Headers and Footers	
		(iii) Spell Checking	
	b.	Write a short note on Word Processing.	2.5
Q. 5	a.	Explain "Recycle Bin", "Desktop" and "Task Bar".	03
	b.	Explain the Eight Data Protection Principles.	04
Q. 6	a.	Define and explain the purpose of the following registers in	
		computer systems:	
		(i) Program Counter (PC)	
		(ii) Instruction Register (IR)	
	b.	Explain three types of Data Communication Modes.	03

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