EASTERN UNIVERSITY, SRI LANKA FIRST EXAMINATION IN SCIENCE 2003/2004 (Repeat) FIRST SEMESTER (November/December, 2004) CC101 Fundamentals of Computer Systems

Answer all questions

Time allowed: 1 hour

2 5 007

niversity.

LIBRAR

505

(i)	Describe briefly the computer generations.	{20}	
(ii)	Describe briefly the kinds of computers.	{20}	*
(iii)	List and describe the computer peripherals.	{20}	
(iv)	Describe the two major categories of software.	{20}	
(v) .	Describe briefly the computer virus.	{20}	

2.

(a)		rt the following numbers into its equivalent binary numbers. 524_{10}	i Miali,		
	ii.	6B3F ₁₆	{10}		
(b)		rt the following binary numbers into its equivalent decimal n 1100101010			
	ii.	1110101011	{10}		
(c)	Convert the following binary numbers into its equivalent octal numbers.				
	i. ii.	1001100101 1101110010	{05}		
(d)	Conve i.	rt the following binary numbers into its equivalent hexadecir 00110100101010111	nal numbers.		
	ii.	101010011001010	{05}		
(e)		rt the following hexadecimal numbers into octal numbers: 572			
	ii.	E7AB	{10}		
(f)	List ar	nd briefly describe the advantages of the computer networks.	{20}		
(g)	Discus	ss LAN topologies.	{20}		
(h)	What	is cache memory and what is the purpose of it? Illustrate wit	h a diagram. {20}		