EASTERN UNIVERSITY, SRI LANKA EXTERNAL DEGREE IN SCIENCE

FIRST EXAMINATION IN SCIENCE (1996/97)

FIRST SEMESTER (June/July, 2004)

EXCC 103 Computer Literacy and Applications

Repeat

Answer Four Questions Only

guand include particular and many Time allowed: 02 hours

LIBR

{20}

21	the first the formula in MS Excel to display will be sufficiently that the splitting					
(a)	Who is known as the father of the computer in the world? Who is known as					
	the first Computer Programmer or Software Engineer in the world?	{20}				
(b)	Explain the computer generations.	{40}				
(c)	Explain the use of Artificial Intelligence and Expert systems in dealing with					
	Mathematical and Scientific problems.	{40}				
	to the superior and disadventures of a combuterized second knowledge					
Q2						
(a)	Describe the two major components of a Computer system.	{15}				
(b)	Computer hardware is made up of five parts. List and describe them.	{30}				
(c)	Describe the two major categories of software. {15}					
(d)	Name and explain the usage of different translators in computer environm	nent.				
	responding as it realistly then of the following in the context of windows 97	{20}				
(e)	State the full name of the following abbreviations and briefly explain each	h:				
	(i). ENIAC					
	(ii). MICR					
	(iii). HTTP					

(iv).

WWW.

Q3		EASTERN UNIVERSITY, SRI LANKA	
(a) Convert the fe	ollowing binary numbers into its equivalent decimal nur	nbers:
	(i).	10010101	
	(ii).	00111011	
	(iii).	11101001	{15}
(b) Convert the fo	ollowing binary numbers into its equivalent hexadecima	l numbers
	(i).	0000010101010011	
	(ii).	1101111010010101	
	(iii).	10111111010111111	{15}
(c	(i).	ollowing numbers into its equivalent binary numbers:	
	(ii). (iii).	186 ₁₀ 5CF ₁₆	{30}
(d) Compare and	contrast the following:	
	(i).	Main memory and secondary memory.	SI OVER AN
	(ii).	Computer Languages and application packages.	
	(iii).	Data and information	
	(iv).	RAM and ROM .	{40}
Q4			
(c) Write down th	ne main functions of an operating system.	{20}
(d) What is mean	t by System files?	{20}
(e) How can sys	stem files be copied from Hard disk to floppy disk?	{20}
(f)	State the adva	intages of Windows-95 over MS_DOS.	{20}
(g) Write short no (i). (ii). (iii). (iv).	otes on any four of the following in the context of windows with the context of windows with the context of windows explorer.	w-95
	(v).		{20}

(a) What are the facilities available in word processing packages?

{20}

(b) Explain the usage of the following features in MS Word.

- (i). Page setup
- (ii). Replace
- (iii). Header and footer
- (iv). Change case

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(c) What is an Electronic spreadsheet?



(a)		Name	Marks	Grade
	*	Rany	95	
		Sasi	75	

Write the formula in MS Excel to display the grades for the above data set. It should display the grades based on the following rules:

- If the marks is 90% or more, the grade is A
- If the marks is 70% or more and less than 90%, the grade is B

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- If the marks is 50% or more and less than 70%, the grade is C, otherwise it is D. {20}
- (e) State the advantages and disadvantages of a computerized record keeping system (database) over a manual filing system. {25}

Q6

(a) Name and draw flow chart structures. {20}

(b) Name the data types that can be used in QBASIC. Give examples: {20}

(c) Write an algorithm to read a word and to print whether it is palindrome or not.

Hint:

You may assume that there is no special character (space or hyphen) in the word. Palindrome is a word or sentence that gives the same meaning in both forward and backward directions.

For example, MALAYALAM, LEVEL, POP, ..etc. {30}

(d) Code your algorithm in QBASIC, {30}