[Total No. of Questions: 8]

F.E. (Semester - II) (Revised in 2007 - 08) Examination, May/June 2011 INFORMATION TECHNOLOGY - II

Dura	Total Marks: 100		
Instru	uction	ns: 1) Answer any five questions with at least one question from each M	Aodule.
		2) Assume necessary data.3) Diagrams in pencil only.	ELENCE SENCE
		MODULE - I	C # 330
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Q1)	a)	Explain the mechanism of a magnetic tape and provide a suitable dia	gram to support
		the answer.	[5]
	b)	What do you mean by ROM. Explain the different types of ROM.	[7]
	c)	Write a short note on the following input devices:	[8]
		i) Keyborad ii) Mouse	
Q2)	a)	List and explain the different functions of operating system.	[5]
	b)	Give the use of the following linux commands	[2]
		i) chmod ii) ls	
	c)	What do you mean by topology? Explain different network topology	logies with the
		help of a neat diagram.	[6]
	d)	Explain how email works?	[3]
	e)	Explain the following addressing in internet	[4]
		i) Domain name ii) IP address	
		MODULE - II	
		Void main ()	
Q3)	a)	What do you mean by database? What are the functions of database	ise. [8]
	b)	Write an algorithm and draw a flowchart to generate fibonacci seri	es. [8]
	c)	Distinguish between Assembly language and high level language.	[4]
Q4)	a)	Write an algorithm and draw a flowchart to check if the numb	
		palindrome.	[10]
	b)	Explain any two types of database management system.	[6]
	c)	What are the functions of an assembler and a compiler.	[4]

	MODULE - III	
a)	Evaluate the following expressions i) Given $i = 8$, $j = 5$, evaluate $k = 2 * ((i/3) + 4 * (j - 2))$. What is the value ii) Given $x = 2$, $y = 3$, $SI = ++x + y++$. What is the value of SI . iii) Given $a = 4$, $b = 3$, evaluate $c = a & b$. What is the value of c . iv) Given $a = 10$, evaluate $b = a <<2$. What is the value of b .	[4] e of K.
b)	Write a C program to find the sum of the following series $2-4+6-8+6$ terms.	+ n [6] [4]
c) d)	i) While and do-while ii) Break and continue. Explain the syntax of the following	[6]
Φ)	i) For loop ii) Switch statement iii) Scanf statement	
a)	Write a C program to generate the following pattern. 1 2 3 4 4 3 2 1 1 2 3 3 2 1 1 1 2 1	[8]
b) c)	What do you mean by ternary operator, explain with an example. Give the output for the following programs i) Void main () { printf ("%d", printf ("Helloworld")); } ii) Void main () { int a, b, c; b = 10; While (b < 100)	[6] [4]

c = ++b;

MODULE - IV

a) With the help of an example, distinguish between actual & formal arguments. [4] Q7)b) Write a C program to find the largest and the smallest element in an array of an integers. [8] c) Write a C program to find the sum of the digits of an integer. Make use of the concept of user defined functions. [6] d) How does function defination differ from function declaration. [2] Write a program to accept a string reverse it and check whether it is a palindrome. Q8)[6] b) Write a program to copy the content of "file 1. txt" to "file 2. txt". [8] c) Explain the following functions with respect to files. [4] rewind() fflush () d) Explain the following stung handling functions. [2] i) str rw() Str cpy ()