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First/Second Semester B.E. Degree Examination, Dec.2013/Jan.2014

			Computer Concepts an	a C Programm	ıng
	Tir	ne: 3	3 hrs.		Max. Marks:100
65.	No	2	. Answer any FIVE full questions, choosing . Answer all objective type questions only in . Answer to objective type questions on sheet	OMR sheet page 5 of the	he answer booklet.
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	10	a.	Choose the correct answers for the following: Which of the following is not a type of ke		(04 Marks)
			A) 5-pin connector	B) 6-pin connector.	
			C) 8-pin connector	D) USB-connector	
			ii) Which of the following is not an output d		
			A) printer B) keyboard	C) VDU	D) CRT screen
			iii) Who is called the father of the computer?		
			A) Balise Pascal	B) Charles Babbage	
			C) Joseph Jacquardiv) Which generation of computers is covered	D) Dr. Hewrman Ho	
			iv) Which generation of computers is covered A) First B) Second	_	
		³b.	Briefly explain about the various generations of		D) Fourth (06 Marks)
		c.	With a neat figure, explain how instructions are		(05 Marks)
		d.	Describe briefly about the various keys present	on a standard keyboard.	(05 Marks)
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	2 ,	a.	Choose the correct answers for the following:		(04 Marks)
			i) Which is a secondary memory device?	C) F1 1/ 1	D) 14
			A) CPU B) ALU ii) If you want to execute more than one pro	C) Floppy disk	D) Mouse
			must be capable of	gram at a time, the syste	ins software that you
			A) word processing B) virtual memory	C) compiling	D) multitasking
			iii) A translator which reads an entire pro		,
			converts it into machine language code is		
			A) assembler B) translator	C) compiler	D) system software
			iv) Which of the following is not an Applicat		
			A) Word processing C) UNIX	B) SpreadsheetD) Desktop publishing	
		b.	Explain in detail about the construction and ope		
		c.	Briefly write about various computer processing		
		d.	List the different network components with exa	mples.	(04 Marks)
	3	a,	Choose the correct answers for the following:		(04 Marks)
			i) The flowcharting symbol Diamond Shape	ed Box indicates	(o t manks)
			A) Start B) Process step	C) Decision	D) End
			ii) Which of the following is not a keyword		
			A) char B) break iii) Which of the following is an input function	C) triangle	D) long
			C Input landets		D)
			A) scanf B) printf Which of the following is a valid integer:	C) puts()	D) putchar()
			A) -250 B) 4,442	C) -31.89	D) ₂ +3,728.2
			^ / ', ' ' ~	C) 5110.3	2,120.2

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3	b. c. d.	What are the different built-in data types available with C? With an example, explain the structure of a typical C program. Briefly write what do you mean by the C tokens.	(06 Marks) (06 Marks) (04 Marks)			
4.,	a.	Choose the correct answers for the following: Which of the following is not a relational operator in C language?	(04 Marks)			
		A) < B) >= C) != D) & ii) Which of the following is a special operator in C language? A) size of (c) B) language?				
		A) sizeof () B) log (x) C) exp (x) D) sin (x iii) The unary operator in C are used to act upon only operand.)`			
		A) one B) two C) three D) four				
		iv) If $b = 10$ and $d = 3$, what is the result for b%d operation?				
		A) one B) two C) three D) 3.33				
	b.	Explain relational operators in C, with examples.	(06 Marks)			
	G.	With an example, explain the Unary operator in C language.	(04 Marks)			
	d.	Explain in detail about Bitwise operators in C language.	(06 Marks)			
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5	a.	$\frac{\mathbf{PART} - \mathbf{B}}{\mathbf{Choose the correct answers for the following}}$:	(04 Marks)			
L		i) The function that calls itself is called as .	(OT Marks)			
		A) forwarding function B) conditional function				
		C) recursive function D) backward function				
		ii) The main() function work is defined in library.				
		A) stdio.h B) conio.h C) string.h D) math.	ħ			
		iii) Parameters passed as arguments to the function call are called as	O 10			
		A) actual parameters B) formal parameters				
		C) no parameters D) none of these				
		iy) Which of the following return statements in a function has error?				
		A) return B) return(0) C) return(expression) D) rene of these				
	b.	C) return(expression) D) none of these What is a function? Describe with declaration syntax.	(0.4 Marks)			
	c.	Describe the two ways of passing parameters to function with examples.	(04 Marks) (08 Marks)			
	d.	Write a program to test whether or not a given integer number is prime with functi				
		1 S Total Committee of Parameters and Parameters an	(04 Marks)			
6	a.	Choose the correct answers for the following:	(04 Marks)			
		i) Which of the following looping construct is an entry controlled loop?	(a titulia)			
		A) while B) do-while C) for D) none	of these			
	35 E	ii) Which of the following is a conditional statement that tests a value against				
		values?				
PR		A) while B) for C) switch D) if	13			
		(ii) Which of the following is not a jump statement?				
		A) break B) continue C) go to D) for				
		iv) Which of the following is an exit controlled loop?				
	la.	A) if B) do-while C) while D) if-else				
	b.	Write a program to compute the sum of N numbers using the for loop.	(04 Marks) (06 Marks)			
	c. d.					
	·u.	statement.	(06 Marks)			

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7	a.	Choose the correct answers for the following: (04 Marks)			
		i) In an array $a[5] = \{10, 20, 30, 40, 50\}$; the element 40 is designated as			
		A) $a[0]$ B) $a[1]$ C) $a[3]$ D) $a[4]$			
		ii) In an array int $a[2][3] = \{10, 20, 30, 40, 50, 60\}$; the $a[0][4]$ element is			
		A) 10 B) 40 C) 60 D) 20			
		iii) Which of the following string handling function is used to add two strings?			
		A) streat() B) strncat() C) stremp() D) strlwr()			
		iv) Which of the following string handling function is used to compare two strings?			
	12	A) strlen() B) stremp() C) strepy() D) strrev()			
	b.	Define an array. How are they declared in C language? (04 Marks)			
	\mathbf{C}_{\bullet}	Write a program to read two matrices from keyboard and print the sum of two matrices.			
		(07 Marks)			
	d.	Write a program to test whether the given string is a Palindrome or not. (05 Marks)			
8	\mathbf{a}_{*}	Choose the correct answers for the following: (04 Marks)			
		i) Thread is defined as stream of control flow in a program code.			
		A) zero B) single C) control D) none of these			
		ii) Open MP programming model offers parallel directives for			
		A) Shared Memory Access B) Zero Memory Access			
		C) Multiple Memory Access D) None of these			
		execution of instructions in a computer system is referred to as parallel			
		computing.			
		A) Serial B) Sequential C) Accurate D) Simultaneous			
		iv) Open MP stands for			
		A) Open Multi-Parallelism B) Organized Multi-Programming			
	1-	C) Open Multi-Processing D) Organized Multi-Parallelism			
	b.	What are threads? Give the advantages and disadvantages of multiple threads. (06 Warks)			
	C.	Bring out the scope for Parallel computing. (06 Marks)			
	d.	Explain "Parallel computing" in detail. (04 Marks)			

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