## Important Note: Observative that are are a commission of the commission of the continuous with the solutions with the solutions written so 42+8 = 50 will be

USN

## First/Second Semester B.E. Degree Examination, June/July 2016 Computer Concepts and 'C' Programming

Ti	me: 3 h	rs.			Max. Marks:100
N	ote: 1. <i>A</i> 2. <i>U</i>	nswer any FIVE fu se of steam tables is	ll questions, choos not permitted.	sing at least two from e	ach part.
			PART	$\mathbf{C} - \mathbf{A}$	
1	a. Cl	noose the correct ansv			(04 Marks)
	i)			of computer based on ind	ividual usage?
		A) Desktop com	puter	B) Workstation	
		C) Digital comp	•	D) Smart phone	
	ii)	Note book comput	er is also called as	- ) <b>p.1.0.1.0</b>	
		A) PDA's	B) Laptops	C) Smart phones	D) Tablet computer
	iii	) Display system in	table computer can	be rotated by	2) Tubiet computer
			B) $120^{\circ}$	C) $90^{0}$	D) 180 <sup>0</sup>
	iv)	O TO 1 4	ŕ		2) 100
		A) 1024 GB	B) 1024 MB	C) 1024 KB	D) 1024 bytes
	b. Ex	plain briefly the basic	structure of a comp	puter along with a block	diagram. (06 Marks)
	c. Exp	plain the different typ	es of audiovisual in	put devices.	(10 Marks)
				•	(20 ::::::::::::)
	a. Ch	oose the correct answ		ıg:	(04 Marks)
	i)	The capacity of a	floppy disk is		(**************************************
			B) 1.44 MB		D) 2.48 MB
	ii)	Which of the follo	wing is an example	of system software?	,
		A) MS - WORD	B) Microsoft of	excel C) Text editor	D) Payroll
	iii)	In star topology th	e central computer	is called	, ,
		A) Host	B) Source		D) None
	iv)		bles.		,
		A) 4	B) 2	C) 8	D) 1
	b. Exp	plain how the data is o	organized in magne	tic disk.	(04 Marks)
	c. Wh	at is Operating syster	(08 Marks)		
	d. Mer	ntion the need for net	(04 Marks)		
					, ,
	a. Ch	oose the correct answ	ers for the followin	g:	(04 Marks)
	i)	Which of the follo	wing command is u	sed to save the program?	
	•••	A) F3	B) Cntrl + V	C) F2	D) Cntrl
	ii)		wing is a newline cl	haracter?	
		A) \t	B) \f	C) \b	D) \n
	iii)	format sp		data into floating point v	alue.
		A) % e	B) % o	C) % d	D) % u
	iv)	Which input functi	on accept the string	as input from the keyboa	ard?
	_	A) getchar ()	B) gets ()	C) getch ()	D) getche ()
	b. Exp	lain the basic data typ	(08 Marks)		
	c. Exp	lain the formatted Inp	out and Output func	tion with example.	(08 Marks)
а	ı. Cho	ose the correct answe	rs for the following	:	(04 Marks)
	i)		wing operator is R -		(ormans)
		A) <	B) +	C) ^	D) =

1 of 3

	c. Writ	What is the output of the A) 12 An expression with one A) Primary If i = 3, j = 4, what is A) 2 plify the expression a + a compared to find the ain the increment and detection.	B) 12 Aly one operand bu B) Ternary the value of j + 1 / B) 1 = b * = C - = 5, wh e area of a triangle	C) 12,345 t not any operator is ca C) unary i-1. C) 4 tere a = 1, b = 3, c = 7. given the 3 sides.	D) 12,345, 678  Lilled D) Binary  D) 3
			PART –	B	
5	i) ii) iii) iv) b. Exp	which of the followin A) stdio.h Which element of user A) function prototype C) function call Pass by value is also call by value C) function calltype of variab A) local variable C) static variable lain briefly the different te a C program to compu	or the following: g header file is use B) conio.h r defined function called as le is accessible thre methods of passin	cd if we use floor () fur C) math.h is not terminated by se B) function definition D) function declaration B) call by reference D) function declarate ough out the program B) global variable D) register variable g parameter.	D) stdlib.h micolon (;) n on ion (10 Marks)
6	a. Choo	ose the correct answers for	or the following:		(04 Marks)
	i) ii)	The complement of < A) >= What is the output of  # include(stdio.h) Void main ()  {   int i = 10;   while (0)   {     Printf ("%d", i);   } } A) 0	is B) <=	C) > ram segment  B) 10	D) ==
		C) No output times		<i>B)</i> 10	D) 0 is displayed $\infty$
<ul> <li>iii) Which of the following is valid: <ul> <li>A) Case 4:</li> <li>B) Case "4":</li> <li>C) Case i + 2:</li> <li>D) Case iv) Which of the following loop is used when we do not know exactly how reset of statements have to be repeatedly executed.</li> <li>A) for</li> <li>B) while</li> <li>C) do while</li> <li>D) sw</li> </ul> </li> </ul>					
		A) for te a C program to find the arentiate between while	=	c equation. with example.	D) switch (08 Marks) (08 Marks)

7	a.	Choose the correct answers for the following: (04 Marks)							Marks)
		i)	Array always starts f					·	
			A) 1	B) -1	(	C) 0	D)	2	
		ii)	Linear search is also called as						
			A) Binary search		B)	Sequential search	ch		
			C) Traversal			Sort			
		iii)	The string "0" occup	ies bytes	•				
			A) 2 byte	B) 1 byte	(	C) 4 byte	D)	8 byte	
		iv)	In a variable length s	tring, string always			,	•	
		ŕ	A) POS	B) POS - 1		C) NULL	D)	NULL +	1
	b. Explain briefly the declaration and initialization of one dimensional arra								Aarks)
		Write a C program to count vowels and constants in a given string.							(08 Marks)
								`	ĺ
8	a.	Choose the correct answers for the following: (04 Marks)							(Aarks)
		i) SET 1 stands for							
			A) Search for extra t	) Search for extra terrestrial intelligence					
			<ul><li>B) Search for extra topology intelligence</li><li>C) Search for extraordinary terrestrial intelligence</li></ul>						
			D) Search for extra t		•				
		ii)	The concept of sharing of memory by various threads in program is called						
			A) sharing memory	• • •		shared memory			_
			C) sequential memor	ry		sorting memory	•		
		iii)							
			A) barrier directive	_		include directive			
			C) ordered directive		D)	flush directive			
		iv)	Which of the functio	ment is e	nable				
	A) void Omp – get – dynamic (int dynamic _ thread)								
			B) int Omp – get –		_	- ,			
			C) void Omp - get-		)				
			D) int Omp - get -						
	b.	What is Thread? Explain the logical memory model of a thread.						(10 N	(larks)
	c.	What are the various motivating factors of Parallel programs?					•	(larks	

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