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IOCCP13/23

## First/Second Semester B.E. Degree Examination, June/July 2014 **Computer Concepts and C Programming**

Time: 3 hrs.				Max. Marks:1	00
2. Answ	ver any FIVE full questi ver all objective type que ver to objective type ques	stions only in OMR	sheet page 5 of the ar		
_		PART — A			
1 a. Choo	se the correct answers fo	r the following:		(04 M	arks)
i) _	A computer converts dat	ta into this			
	A) information B	) charts	C) software	D) input or out	put
ii)	A device that holds a dis	sk is called			
	A) drive B	) RAM	C) ROM	D) memory	
iii)	The terms dots per inch	(dpi) refers to			
	A) printer resolution B	) printer speed	C) printer output		
iv)	The earliest computer w	ere systems.			
_	A) digital B) pape	r C) analog	D) slide rule		
<ul> <li>b. Differe</li> </ul>	ntiate between system so	oftware and applicati	on software.	(06 M	arks)
<ul> <li>c. Explain</li> </ul>	with example, differen	t type of printers. S		(10 M	arks)
a. Choose t	he correct answers for	the following:	i	(04 M	arks)
i)	A list of command choice	ces in an OS is called			
	A) command line B	) check box	<ul><li>C) drop down list</li></ul>	D) menu	
ii)	is one of the b	enefits using networ	k.		
E :	A) File security	~ .	B) Peripheral sharing		
	C) Protection from viru	s V	D) Folder creation		
iii)	FTP sites are often calle	d (			
1. A	(a) channels E	) archives	C) groups	<ul><li>D) domain</li></ul>	
iv)	DOS and Linux are example.	mples of int	erface.		
	A) old fashion	) GUI	C) command line	<ul><li>D) parallel</li></ul>	
<ol><li>Explain</li></ol>	in detail, various types	of network topologi	es.	(10 M	arks)
c. Define	the following:				
	rashing (ii) Bufferin	g iii) Spooling	,	(06 M	arks)
	n				
3 a. Choose t	the correct answers for	the following:		(04 M	arks)
i)	Which of the following		it?		
,		3) "c"	C) "b"	D) "?"	
ii) W	hich field specification	is used to refer shor	t int?		
		3) %d	C) %fd	D) %hd	
iii) A	nibble is	,	,		
,		3) 8 bits	C) 16 bits	D) 32 bits	
iv) Id	dentify formatted conso	,	,	, -	
,	-	B) gets()	C) scanf()	D) fgets()	
b. Expla	in the structure of a C pr	/ 6/	, ,,		(arks
	are the different types of	_	actions?	-	(arks)
	71	1			,

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		(Page 148)				
4 a. Choose the correct answt arra:, (04 Marks						
	i)	A is name given to the memory loca	ition where data can be	stored, accessed c		
		manipulated.				
		A) string B) keyword	C) reserved word	D) variable		
	ii)	The data type does not occupy any s		-,		
	11)	**		D) double		
		A) long int B) float	C) void	D) double		
	iii)	An operator which acts on 3 operands	D) 17			
		A) Unary operator	<ul><li>B) Key operator</li></ul>			
		C) Binary operator	<ul><li>D) Ternary operator</li></ul>			
	iv)	What is the output of the following code?				
		main ( )				
		{printf ("%d", A'); )				
		A) 65 B) A	C) 65.0	D) Error		
h E	valua	te the expressions where $a = 8$ , $b = 15$ , $c = 4$		-,		
0. 2		*((a%5)*(4+(b 3)/(c + 2)))				
			11 - 20	(06.14		
. 11		00 / 20 <= 10 - 5 + 100 % 10 - 20 == 5 >		(06 Marks)		
c. V		a C program to find and output all the r or	ots of a quadratic equ			
	coeff	icients.		(10 Marks)		
		PART — B		1		
5 a. C	hoos	e the correct answers for the following:		(04 Marks)		
	i)	The default return type of function is		I IV		
		A) int B) float	C) char 1k	D) void		
	ii)	Which is the user defined function?	,			
	_	A) main() B) sqrt()	C) clrscr() 1	D) gets()		
	iii)	A function that calls itself is known as	-)( )	-/8(/		
	,	A) recursive function	B) iterative function			
		C) main function	D) none of these			
	i)	Parameters passed as arguments to the funct				
	iv)					
		A) actual parameters	B) formal parameters			
OF VII		C) no parameters	D) none of these			
		n and develop a function rightrot (x, n) in				
Neils		ed to the right by n bit positions as an unsig	_			
	main	with different values for x and n and print the	e results with suitable l	headings. (08 Marks)		
c. H	low a	re functions categorized based on the value	e returned by the func	tion and parameter		
	accep	oted?		(08 Marks)		
6 a. Ch	oose	the correct answers for the following:		(04 Marks)		
	i)	Each case statement in switch is separated b	y			
		A) break B) continue	C) exit	D) goto		
	ii)	Several statements grouped together in brace	es is called			
	_	A) compound B) equivalent	C) complex	D) simple		
	iii)	In C language, "x?y:z" is equivalent to	, ,	, ,		
	,	A) if $(x = 0)y$ ; else z;	B) if $(x = 1)z$ ; else	U*		
		C) if $(x = 0)y$ ; cise z;	D) if $(x = 1)y$ ; else			
	-/					
	iv) How many times is the following loop executed					
		for (i = 0; i <= 5; i++)				
		{printf ("Hello");)				
		A) 1 B) 6	C) zero	D) infinite		
ь.	Write	e a C program to find the sum of N natural nu	mbers.	(08 Marks)		
c.		t is the purpose of a switch case statement? E		(08 Marks)		
2 of 3						





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7 8	1. C	hoos	e the correct answe	r		(04 Marks)	
		i)		ents in array A[3][4] i	s		
			A) 8	B) 12	C) 16	D) none of these	
		ii) If A[4] is declaration, then the first and last array index will be					
			A) 1, 4	B) 0, 3	C) 3, 0	<ul><li>D) none of these</li></ul>	
		iii)	A function that is us	ed to string copy is			
			A) strcopy()	B) strcpy()	C) copystring()	D) concat()	
		iv)		, 2, 3, 4, 5, 6); The ele	ement in 3 rd row 2 rd o	col is	
			A) 3	B) 4	C) 6	D) 2	
	b.	_	lain initialization and			(08 Marks)	
	c.				ingle dimensional a	array and sort them in	
		asce	nding order using Bub	ble sort.		(08 Marks)	
8		Th. a.a.	a the comment energy	for the fellowing .		(04341)	
0	а. С		se the correct answers	_		(04 Marks)	
		i)	computation.	of an instruction in	a computer system	is referred as parallel	
			A) Sequential	B) Serial	C) Accurate	D) Simultaneous	
		ii)	Open MP'stands for	D) benui	C) / tecurate	D) billianancous	
		A) open multi parallelism B) organized multi programming					
			C) open multi progr		D) organized mul		
		iii)					
			A) OMP thread lim		B) OMP init lock	k 11)1\\	
			C) OMP thread re	f 🕻 .	D) OMP get byn		
		iv)	Which of the follow	ing can be used as res	ource in parallel com	puting?	
			A) Single computer v	with multi process	B) Network of co	mputers	
			<ul><li>C) Combination of a</li></ul>	bove	D) None of these		
	b.		it are threads? Give the				
	c.	Design and develop a parallel program in C to determine and print prime numbers which are					
		less	than 100 making use of	of the algorithm of Sie	ve of Eratosthenes.	(08 Marks)	
		1	K X/	10,			
1			LC	UK			