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First/Second Semester B.E. Degree Examination, January 2013 **Computer Concepts and C Programming**

	2. Answer all objective type questions only in OMR sheet page 5 of the Answ 3. Answers to objective type questions on sheets other than OMR will not be	
	PART - A	
1	a. Choose the correct answer :	(04 Marks
	 Which of the following is not an input device. 	
	(A) plotter (B) scanner (C) key board (D) mouse	
	ii) Conversion of single program to M/C language is done by	
	(A) linker (B) compiler (C) editor (D) OS	
	iii) Computer is controlled by (A) Hardware (B) Software (C) Instructions (D) Statement	
	iv) Computer converts data into	
	(A) Information (B) Charts (C) I/P, O/P (D) Software	
	 Explain the basic structures of a computer, with a neat diagram. 	(06 Marks
	 e. Explain the following input devices: i) Pen based input devices. ii) Optical input devices. 	(06 Marks
	d. Explain information processing cycle.	(04 Marks
2	a. Choose the correct answer :	(04 Marks
	i) DOS is an example of interface.	
	(A) Command line (B) Check box (C) Graphical (D) Parallel	m
	ii) Email is a system for exchanging messages through a	
	(A) client (B) program (C) Network (D) back bone	
	iii) Every webpage has a unique address, called a (A) Hyperlink (B) URL (C) HTTP (D) www	
	iv) In a n/w all devices are connected to a hub	
	(A) bus (B) star (C) ring (D) mesh	
	b. Define operating system. What are the functions of operating systems?	(06 Marks
	 Explain the following storage devices: i) Hard disk ii) Compact disk. 	(06 Marks
	d. Explain the characteristics of networks.	(04 Marks
3	a. Choose the correct answer :	(04 Marks
	i) 'C' is what kind of language?	//CDC-147 ELANE DE 214 A 5 35 4 122
	(A) Machine (B) Procedural (C) Assembly D) Object oriented p	programming
	ii) The hexadecimal constant is preceded by : (A) OX (B) O (C) HX (D) H	
	(A) OX (B) O (C) HX (D) H iii) The number 025 is number.	
	(A) Decimal (B) Octal (C) Hexa (D) Binary	
	iv) The operator % yields	
	(A) Quotient (B) Percentage (C) Reminder (D) Fractional pa	irt
	 Briefly explain how to create and run the program. 	(04 Marks
	 Explain 5 – types of data with its range valve. 	(06 Marks
	d. Explain formatted input and output functions.	(06 Marks
4	a. Choose the correct answer:	(04 Marks
	i) What is the size of character in bytes?	
	(A) 1 (B) 2 (C) 3 (D) 4	
	ii) Puts is function (C) Input output (D) None	
	(A) i/p (B) o/p (C) Input output (D) None iii) The conversion specifier is used to represent string	
	(A) %d (B) %c (C) %f (D) %s	
	iv) Keywords are	
	(A) Identifier (B) Reserved words (C) Variable (D) None	

	d.	Determine the value of a each of the following logical i) $a > b & a > c$ ii) $b > 15 & c < 0 a > c$				$ \cdot c \le 0.0.$			
		DADO	r p			(03 Marks)			
5	a	Choose the correct answer :	1 - B			(04 Marks)			
		i) The default return type of a function is				4			
		(A) int (B) float	(C)	char	(D) double				
		ii) How many values returned by functions by defau	ult						
		(A) ONE (B) TWO	(C)	THREE	(D) FOUR				
		Which is not a variable storage class	77876470	V24100044000					
		(A) Automatic (B) Extern		Static	(D) Dynamic				
		iv) Which keyword is used to declare external varial			(D) None				
	b.	(A) external (B) extern	(c)	auto extern	(D) None	(06 Marks)			
	c.								
	٠,	same function, write a program to check whether the number is prime or not.							
	d.	Write a note on parameter passing techniques.	3500000		X	(05 Marks) (05 Marks)			
						ONESSES CHENOCONON			
6.	a.	Choose the correct answer : i) Multi way decision making using				(04 Marks)			
		(A) if (B) for	(C)	while	(D) switch				
		ii) 5 > 3? printf ("hello": printf ("C");	(0)	073.477.580.5	(2) 211101				
		(A) hello (B) C	(C)	hello C	(D) None				
		iii) The result of an expression 2 > 8 & & 2 < 8 is		7. 9					
		(A) True (B) False	(C)	10	(D) 20				
		iv) Size of (float) is	Turament.						
	92	(A) 2 (B) 4	(C)		(D) 1				
	b.	Explain switch structure with flowchart and write a pr number, assume day one is Monday.	ogran	to display nam	e a day in week for	AND THE RESERVE TO SERVE THE PROPERTY OF THE PARTY OF THE			
	C.	Write a program to find the given number is palindron	ne or	not using while	oon	(06 Marks) (05 Marks)			
	d.	Write a program to find square of a given number using			cop.	(05 Marks)			
		(Note: Find square using successive addition method		ői.		(05 Marks)			
	~	Choose the correct answer:				M. Carrier Co. C. Carrier Cont.			
1	a.	i) Array is an example of data types				(04 Marks)			
		(A) Derived (B) Basic	(C)	User defined	(D) None				
		ii) An array a [5] consists of number of ele			WENT TOTAL				
		(A) 10 (B) 5	(C)		(D) None				
		iii) An array a [5] [3] consists of elements.							
		(A) 5 (B) 3	(C)	15	(D) None				
		 iv) Which of the following is not a data structure 		1000					
	100	(A) Linked list (B) Stack	0.074,5500534	Queue	(D) Pointer	120000000000			
	b,	Explain how a 1 – Dimensional array can be declared	and ir	iitialized, write a	i program to add all				
	c.	elements of an array. Explain the following string handling functions, with	evami	dee i) Street	ii) Strepy.	(06 Marks) (04 Marks)			
	d.	Write a C program to multiply A[M X N] and B[P X 0							
			£1		ore result in Canada	Samuer en E			
8 a.	a.	Choose the correct answer: i) Parallel computing is execution of instru				(04 Marks)			
		 i) Parallel computing is execution of instru (A) Simultaneous (B) Serial 		Accurate	(D) Complete				
		ii) Which of the following is not a synchronization	3.75		(D) Complete				
		(A) Single (B) Master		Section	(D) Critical				
		iii) How many threads would be created for the para				+){}?			
		(A) 10 (B) 9	(C)		(D) 0	68. 4			
		iv) Which of the following does not signify the need			5517 539845 58				
		(A) Enhanced performance		Reduced proce					
	v	(C) Hidden memory latency time	(D)	Error – free co	nputation.	(0/.24			
	b.	Explain the data handling in open MP. What is thread? Explain the need for threads.				(06 Marks) (06 Marks)			
	C	what is inread a explain the need for ulreads.				(UO MIAIKS)			