Seat No.:	
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AP-106

May-2016

BCA., Sem.-II

CC-108 : Advanced C Programming

Time	: 3	Hour	[Max. Mark	ks: 70
1.	(A)		ch are different categories of user defined function? Explain any two	
		dept		(7)
		(1)	OR Evaloin magnaign	(4)
		(1)	Explain recursion. Explain terms: (1) Variable visibility (2) Scane (3) Life time	(4)
	(B)	(2)	Explain terms: (1) Variable visibility (2) Scope (3) Life time ch are different storage classes? Explain any two in depth.	(3)
	(D)	VV 111	OR	(7)
		(1)	Explain nested function.	(4)
		(2)	Explain terms: (1) Function prototype (2) Function calling (3) Function	(4)
		(2)	definition.	(3)
2.	(A)	Defi	ine structure with its syntax. How structure member can be accessed? Expla	ain
		oper	rations on structure members.	(7)
			OR	
		(1)	Write an output for the following code:	(4)
			1.	
			void main()	
			{	
			int *p;	
			char *c;	
			if (sizeof(p) = = sizeof(c))	
			printf("Each type of pointer variable takes same size");	
			else	
			printf("Each type of pointer variable takes different size");	
			}	
			2.	
			void main()	
			{ :nt v=5.	
			int y=5;	
			int*p;	
			printf("\n Decrement %d \n Increment %d",*p, ++*p);	
		(2)	Differentiate array of structure and array within structure.	(3)
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	(B)		ne pointer. Write adva ter variable.	intage	s of pointer. Explain arithmetic operations	s on (7)		
		•			OR	. ,		
		(1)	Differentiate Structure	e and u	nnion.	(4)		
		(2)	How can you copy and	d com	pare structure variable ?	(3)		
3.	(A)	Exp	lain malloc() and calloc(() func	etions with prototype.	(7)		
	` ′	•	V		OR	. ,		
		(1) Differentiate pass by value and pass by reference.						
		(2)		functions with prototype.	(4) (3)			
	(B)	` ′	lain different types of lin			(7)		
	` /	OR						
		(1)	Differentiate Array an	α List.	(4)			
		(2)	Write syntax for struct			(3)		
4	(A)	г.		1.6.	. (C) C	(5)		
4.	(A)	Exp	lain fopen(), fclose() and	-	etf() functions with prototype.	(7)		
		E	lain annan handlina fanat		OR	(7)		
	(D)	-	_		and its importance in File operations.	(7)		
	(B)	Exp	lain fseek(), ftell() and re			(7)		
		F1	1-1		OR	(7)		
		Exp	lain macro substitution of	ıırecti	ves with syntax.	(7)		
5.	Atte	empt following questions.						
	(1)							
		(a)	Name) Arguments				
		(c)	All of these					
	(2)							
		(a)	Auto	(b)	Static			
		(c)	Register	(d)	Extern			
	(3)	-						
		(a)	main()	(b)	user defined function			
		(c)	anywhere	(d)	none of the above			
	(4)	` '	tructure members with use of pointer?					
	` '	(a)	-	(b)				
		(c)	Both of the above	(d)	None of the above			
	(5)	` ′	nory for the structure is	` ′	ted at the time of			
	()	(a)	Structure declaration	(b)	Structure variable declaration			
		(c)	Function declaration	(d)	None of the above			
	(6)			` ′	mory among different types of data.			
	` /	(a)	Structure	Union				
		(c)	Both of the above	(b) (d)	None of the above			

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	(7)	Link list is used to implement data structures such as			
		(a)	Stack	(b)	Queues
		(c)	Both of the above	(d)	None of the above
	(8)	A lin	k list is a		
		(a)	Random access structu	re	
		(b)	Sequential structure		
		(c)	Both of the above		
		(d)	None of the above		
(9) Which function gives the current position of the file?				position of the file ?	
		(a)	fseek()	(b)	ftell()
		(c)	rewind()	(d)	None of these
(10) From which standard stream does C program read data?					C program read data?
		(a)	Stdin	(b)	Stdout
		(c)	Stderr	(d)	All of the above
(11) Which function is used to read character in file?					racter in file?
		(a)	getc()	(b)	fgetw()
		(c)	Both of the above	(d)	None of the above
	(12)	The 1	pre-processor directives	must	be preceded by symbol.
		(a)	*	(b)	&
		(c)	#	(d)	@
	(13)	Choo	ose the operator which	can	be used in the conditional expression of #if
directive.					
		(a)	defined	(b)	sizeof
		(c)	typecast	(d)	address
(14) A data structure that can store related information of different data types to				ated information of different data types together	
		is			
		(a)	Array	(b)	
		(c)	String	(d)	None of these

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