

## **MBI-0031011010** Seat No. \_\_\_\_\_

## B. Sc. (Sem. I) (CBCS) Examination

## November / December - 2016

## CS - 101 : Programming Fundamentals Using C & C++

Tim	e: 2	$\frac{1}{2}$ H	Cours]	[Total Marks : 70	0
1	(a)	Ans	wer the following short question.	4	4
		(1)	Which year C language was develo	ped ?	
		(2)	Who developed C language ?		
		(3)	What is the use of scanf() function in	n C language?	
		(4)	Which operators are used for give c & C++ ?	omment in C	
	(b)	Ans	wer any one of the following question	ns:	2
		(1)	Define keywords		
		(2)	What is C?		
	(c)	Ans	wer any one of the following question	ns:	3
		(1)	Difference between POP vs OOP.		
		(2)	Explain cin and cout operator in de	etail.	
	(d)	Ans	wer any one of the following question	ns:	5
		(1)	Basic Structure of C language		
		(2)	Basic Data types of C language.		
2	(a)	Ans	wer the following short questions:	2	4
		(1)	List the types of function		
		(2)	List the conditional statement		
		(3)	Write a C++ program to print "hell	o world."	
		(4)	Give the syntax of nested while loo	p.	
	(b)	Ans	wer any one of the following question	n: :	2
		(1)	What is loop? List the loops which C/C++?	are used in	
		(2)	Explain "if else" statement with syr	ntax.	

		(1)	Explain break statement with example.	
		(2)	Write a program to generate below pattern.	
			1	
			1 2	
			1 2 3	
			1 2 3 4	
			1 2 3 4 5	
	(d)	Answer any one of the following question.		5
		(1)	Explain switch case with example.	
		(2)	Write a program to find max value out of 3 value using nested "if else".	
3	(a)	Ans	wer the following short questions:	4
		(1)	What is Structure ?	
		(2)	Define Macro.	
		(3)	What is the use of get() function?	
		(4)	What is the use of write() function?	
	(b)	Answer any one of the following questions.		2
		(1)	Explain union with its syntax.	
		(2)	List the pre-processor directives.	
	(c)	Ans	Answer any one of the following questions:	
		(1)	Explain command line argument.	
		(2)	Difference between static and dynamic memory.	
	(d)	Ans	wer any one of the following questions:	5
		(1)	Difference between malloc() and calloc().	
		(2)	Difference between structure and union.	
		. ,		

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(c) Answer any one of the following questions:

3

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4	(a)	Ans	wer the following short questions:	4
		(1)	Define Array.	
		(2)	What is overloading?	
		(3)	Give the syntax of pointer to array.	
		(4)	How to declare pointer variable in C?	
	(b)	Ans	wer any one of the following questions:	2
		(1)	Write a programme to print your name using pointer.	
		(2)	Give the example of pointer to pointer.	
	(c)	Answer any one of the following questions:		3
		(1)	What is pointer and its advantages?	
		(2)	Difference between pointer and reference.	
	(d)	Ans	wer any one of the following question:	5
		(1)	Explain operator overloading with example.	
		(2)	Explain function overloading with example.	
_		) Answer the following short question.		
<b>5</b>	(a)	Ans	wer the following short question.	4
5	(a)	Ans: (1)	wer the following short question.  List the OOP concept	4
5	(a)		<u> </u>	4
5	(a)	(1)	List the OOP concept	4
5	(a)	(1) (2)	List the OOP concept List the different types of inheritance.	4
5	(a) (b)	<ul><li>(1)</li><li>(2)</li><li>(3)</li><li>(4)</li></ul>	List the OOP concept List the different types of inheritance. Define class in C++.	2
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