Ē	B-1(	)5	BCA (CBCS) (S	tober-2012				
	Faculty Code : 003							
т	ime : 2	2.5 Hours]	Subject	Code : 00330	2 [Total Marks : 7			
1.		ltiple choice	questions		20			
1.	1.	Which co		he name of the	e object, the name of the function			
		(a) Mes	sage Passing	(b)	Dynamic Binding			
		(c) Data	Encapsulation	(d)	Polymorphism			
	2.	The promi	sing areas for applicatio	n of OOP inclu	ıde			
		-	time systems		Object oriented database			
			ral network		All of above			
	3.	Which of	the following contains o	verloaded inse	rtion operator ?			
	5.	(a) Ostro	-		Fstream			
		(c) lostr		(d)				
		. ,						
	4.		the following cannot be		-			
			rence variables	(b)	5			
		(c) Arra	-		Header files			
	5.			ally each time	an object is destroyed is a			
		P -	ructor	(b)	*			
		(c) Cons	structor	(d)	Terminator			
	6.	+ (plus) is	a operator.					
		(a) Unar	У	(b)	Binary			
		(c) Both	(a) & (b)	(d)	None			
	7.	Which of t	the following operator ca	an't be overloa	ded ?			
		(a) new	5 1		delete			
		(c) +		(d)				
	8.	When the are called		ntiate between	two overloaded constructors, they			
		(a) Amb	iguous	(b)	Destructed			
		(c) Over	loaded	(d)	Dubious			
	9.	/ An excent	ion is caused by					
	).		ware problem	 (b)	A problem in OS			
			ntax error	(d)	-			

10.	if(number>0) cout<<"Number is Positive"; else cout<<"Number is Negative"; What will be the output if number is eq (a)/ Number is positive	(b) Number is negative	
	(c) Compile time error	(d) Garbage value	
11.	<ul><li>A pure virtual function can never have</li><li>(a) True</li><li>(c) Can't say</li></ul>	a body (b) False (d) Partially true	
12.	resetiosflags() manipulator is equivale (a) setf() (c) reset()	<pre>ent to which ios function ?    (b) unsetf()    (d) flags()</pre>	
13.	A static member function can be called (a)/ True (c) Cannot say	d using the class name. (b) False (d) Not possible	
14.	With which operator a friend cannot be (a) :: (c) sizeof	e used ? (b) -> (d) *	
15.	<ul><li>Which mechanism does C++ support to</li><li>(a) Virtual function</li><li>(c) Operator overloading</li></ul>	<ul><li>o achieve a compile time polymorphism ?</li><li>(b) Inheritance</li><li>(d) Abstract class</li></ul>	
16.	A process of a class can contain object (a) Inheritance (c) Data encapsulation	<ul> <li>a of another class is called</li> <li>(b) Nesting</li> <li>(d) Friend</li> </ul>	
17.	<ul> <li>Which of the following way are lega pointer ?</li> <li>(a) this.x</li> <li>(c) *(this.x)</li> </ul>	al to access a class data member using th (b) *this.x (d) (*this).x	is
18.	<ul><li>When an exception is not caught, the p</li><li>(a) true</li><li>(c) cannot say</li></ul>	brogram is aborted. (b) false (d) not possible	
<b>19</b> .	<ul> <li>Which of the following is legal declara</li> <li>(a) int &amp;a = 10;</li> <li>(c) int &amp;a=m;</li> </ul>	ation of a reference ? (b) int *a=&15; (d) int &a=m++;	
20.	<ul><li>ADT stands for</li><li>(a) Ambiguity Data Type</li><li>(c) Access Data Type</li></ul>	<ul><li>(b) Animation Data Type</li><li>(d) Abstract Data Type</li></ul>	
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2.	(a)	Attempt (any three) :	6
		(X) Define : Data Abstraction and Data Encapsulation.	-
		<ul> <li>Write a note on type casting in C++.</li> </ul>	
		<ul><li>(3) When do we declare a member of a class static ?</li></ul>	
		(4) Differentiate : Dynamic Binding v/s Message Passing.	
		(5) Differentiate : OOP and POP.	
		(6) Why do we need preprocessor directive #include <iostream>?</iostream>	
	(b)	Attempt (any three) :	9
	(0)	<ul> <li>(1) How does a main() function of C++ differ from main() function of C ?</li> </ul>	,
		<ul><li>(1) How does a main () function of C + unlet nom main () function of C +</li><li>(2) Write a note on Scope Resolution Operator.</li></ul>	
		<ul><li>(3) Explain merits of Friend function.</li></ul>	
		<ul><li>(4) How does Memory allocate to Objects ? Explain with figure if needed.</li></ul>	
		<ul> <li>(i) How does include to objects - Explain with lighten incoded.</li> <li>(5) Differentiate : Constructor v/s Destructor.</li> </ul>	
		(6) When will you make a function Inline? Explain.	
			10
	(c)	Attempt (any two):	10
		(1) What is a reference variable ? What is its major use ? Explain with exam	pie.
		<ul> <li>(2) What do you mean by function overloading ? Explain with example.</li> <li>(3) Explain constructor with example.</li> </ul>	
		<ul> <li>(3) Explain constructor with example.</li> <li>(4) Explain structure of C++ program.</li> </ul>	
		<ul> <li>(4) Explain structure of C++ program.</li> <li>(5) Write a program to consistent two string using Operator Querloading.</li> </ul>	
		(5) Write a program to concatenate two string using Operator Overloading.	
		f d	
3.	(a)	Attempt (any three) :	6
		(N) What is multilevel inheritance ? Describe its syntax.	
		$(\mathcal{Z})$ What does "this" pointer points to ? Explain.	
		(3) What is an exception specification ? When it is used ?	
		(4) Why a pure virtual function call "do-nothing"? Justify.	
		(5) What are the advantages of saving data in binary form ?	
		(6) What is an abstract class ?	
	(b)	Attempt (any three) :	9
		(1) What is a class template ? List its merits.	
		(2) Write down any three manipulators with its task.	
		(3) What happens if we don't use virtual function in inheritance ? Eximportance of virtual function.	cplain
		(4) Explain cin and getline() function with syntax.	
		(5) What is single level inheritance ? Describe its syntax with advantages.	
		(6) What is polymorphism ? How many types of it ? Explain any one.	
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## (c) Attempt (any two) :

(1) Explain Virtual Base class with example.

(2) Explain Command line argument with example.

(3) What is file mode? Describe various file mode options available.

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(4) Explain static member function with example.

(5) Explain exception handling mechanism with example.

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