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## CS304 GRAND QUIZ

SR NO	MCQS QUESTION	ANSWER
1	In expression $c1 * c2 + c3 - c4$ which of the following will be executed in first order	$C1 * c2$
2	Inheritance is a way to	Add features to existing classes without rewriting them
3	----- represent "IS A "relationship	Inheritance
4	Constructor without any parameter is called:	Default constructor
5	Which of the following stores the address of a variable?	Pointer
6	A Post-fix unary operator is implemented in C ++ using Member function with	1 dummy int argument
7	minimum classes required in a program for implementing multiple inheritance	3
8	Which of the following statement(s) describe constant member functions?	All of the given option
9	composition is a strong relation relationship because	Composed object cant exist independency
10	How many interactions are there in the following scenario Imran has the car. he drive the car and car has four wheels and doors	3
11	if we extend our model ,and the rest of the model is not affected then it is called-----	Flexibility
12	choose correct declaration of overload $*=1$ operator for class complex as Member function	Complex and operator $*=(const complex \& c)$
13	Consider the following class <code>A{int a,b,c;</code>	A,b,c

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	public: A():B(10),C(0)a(7) };	
14	Class is a blue print of	Objects
15	Suppose we have a class student which of the following statement is correctly declaring the pointer to the object of student class?	Student* object
16	In c++ composition is relationship between -----and-----objects	Whole, part
17	Which of the following Depicts the proper definition of class?	a class is description of a kind of object
18	in class attributes are represented by ---- and----- respectively	data member, Member function
19	which of the following represents the two Association	Employee works for the company
20	Entities in OO model are represented by	Rectangle
21	Which of the following features of OOP is used to derive a class from another?	Inheritance
22	In C ++ which of the following is defined as a stream insertion operator?	<<
23	choose the correct declaration of overloaded equality (==)operator for class string as a Member function	Bool operator==(const string and s)
24	---- is the relationship between the part object and the whole object	Composition
25	object hides its information from others this concept is known as	information hiding
26	the concept of derived classes is involved in	Inheritance
27	abstraction provides information according to	user perspective
28	which of the following is not an object Association	Inheritance
29	which of the following classes are used by amphibious vehicle to inherit	both land and water vehicle

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	characteristics	
29	object data includes	both states and attributes of an object
30	choose correct declaration of overloaded inequality operator for class string as non member friend function	friend pool operator ! =(const string &s1,const string &2)
31	How many objects of a given class may be constructed in an application?	as many as the application ask for
32	how many objects of a given class may be constructed in an application	as many as the application ask for
33	Which of the following statements describe constant member functions?	all of the given option
34	student *ptr=new student(" Ali"); is an example of	static memory allocation
35	in----- base class can be replaced by the derived class	extension
36	Which of the following is a correct way of declaring constant variable ROLLNO?	cosnst int Roll no;
37	which of the following operator doesn't take argument hit overloaded	none of the given choices
38	which of the following is part of the Class diagram	all of the given option
39	a child inherits characteristic from its	parent
40	which of the following issues can be caused by the use of friend function	programming Bugs
41	which of the following is not true about constant number function	all of the given option
42	Which one is not the main features of object oriented programming?	exception handling
43		
44	in object oriented programming, objects communicate with each other through	messages
45	static data member is declared	inside the class
46	the concept of derived classes is involved	inheritance

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	in	
47	Which of the following can we attribute of an object "Ali"?	address
48	Which of the following keyword tell the compiler to substitute the code within the function definition for every instance of a function call?	inline
49	inheritance is the relationship between	classes
50	how many objects are involved in the binary Association	2
51	all objects of same class has ----- attributes	same
52	which of the following concept is more close to encapsulation	information hiding
53	member initialization list is used to	initialize data member
54	aggregation between objects show that	objects have weak relationship
55	there is /are ways to create user defined types for objects in C ++	two
56	composition is a strong relationship because:	composed object can not exist independently
57	in polymorphism messenger can be interpreted in different ways depending upon the----- class	receiver
58	which of the following is most suitable advantage of information hiding	simplifies the model
59	the process of extracting common characteristics from two or More classes and combining them into a generalized superclass is called	Generalization
60	----- operator is used to create objects at run time	new
61	choose the correct option to declare an overloaded Stream insertion operator for	friend ostream and operator<<(ostream

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	userdefined class "string" as a non-member friend function	and os,const string & s)
62	static data member is declared	inside the class
63	an instance of user defined type is called	object
64	which of the following is true about constructor	all of the given option
65	Which of the following correct way of declaring constant variable ROLLNO?	const int ROLLNO;
66	inheritance is shown by	filled arrow
67	which of the following operators operate on one operand	unary operator
68	which of the following will happen when a constant function tried to change the value of data members of the class	compile time error will occur
69	in object oriented programming, objects communicate with each other through---	messages
70	How the information hidden within an object can be accessed?	through its interface
71	object orientation approach can be achieved using object and their-----	interactions
72	constructors have ----- return type	no
73	which of the following is an example of unary operator	increment operator(++)
74	memory is allocated to non-static members only when	object is created
75	in class B inherit from class A which of the following is child class	class B
76	the----- tells the compiler what task the function will be performing	function definition
77	Consider the statement" room has chair" which of the following type of Association exists between whom and chair?	aggregation
78	how many objects are involved in the N-	more than 3

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	ary Association	
79	deconstruct is a function which has the same name as that of class but starts with a----- sign	~
80	which of the following is a tangible entity	car
81	member initializer list is used to	initialize data members
82	we can get the address of variable stored in pointer using-----	& symbol
83	two sentence object oriented programming book in bookshelf is an example of	aggregation
84	which of the following best defines the obstruction	hide the implementation and show current perspective
85	which of the following define default constructor 5 class student	student(){//..}
86	object data includes	both state and attributes of an object
87	minimum classes required in a program for implementing multiple inheritance	3
88	information hiding can be achieved through-----	encapsulation, abstraction
89	compiler generated defaulter structure is called----- hand user written default constructor is called----	implicit, explicit
90	which of the following is true about constructor	all of the given option
91	In which of the following different forms office single entity exist?	polymorphism
92	data members of a class student can be:	all of the given option
93	the----- turn off the compiler what does the function will be performing	function definition
94	Suppose a class does not have any	compiler will call

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	constructor what will happen when an object of this class is created?	implicit default constructor
95	how can we differentiate between constructor and destructor	destructor are preceded with a Tilda(~) symbol, and constructor are not preceded with any symbol
96	---- is used for hiding the details of an object from the other parts of a program	encapsulation
97	Class diagram include	class name, attributes, operation
98	through interface was access objects-----	behavior
99	composition is a strong relationship because	compose object cannot exist independently
100	copy constructor is called when:	an object is created in term of Preexisting object
101	choose the correct option to declare an overloaded stream insertion operator for a user defined class string as a non-Member friend function	friend ostream & operator(ostream &os.const string &s)
102	a post-fix unary operator implemented in C plus plus using non Member function with---- arguments	two
103	in class attributes and behaviors are represented by---- and--- respectively	data members, member functions
104	which of the following best describes the relationship between book and book chapter classes	composition
105	which of the following is true about destructor	all of the given option
106	in composition----- are called from composing objects to composed subjects	destructors
107	which of the following can be used an	Global variables

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	alternative to Static members	
108	which of the following statement is true about static function of a class	it is used to access static data members
109	which of the following operator does not take any arguments if overloaded	none of the given choices
110	what is the output of the following code int main(){int cost x=10;cout<<+ +x;return0;}	error
111	abstraction includes-----	relevant information
112	Which of the following can be the behavior of an object "Usman"?	eat
113	a class defined within another class is	nested class
114	when an object is initialized, is automatically called by the compiler	constructor
115	the compiler treats the Member function of a class as	inline function
116	an object has attributes operation ,and-----	unique identity
117	Which of the following is not an access specifier in C ++?	hidden
118	which of the following parts of an object exhibits its state	data
119	---- is the relationship between the part object and the whole object	composition
120	how can we identify classes from a given problem statement	by extracting nouns from problem statement
121	what "friend" should be placed in	function declaration
122	generalization is----- approach	bottom-up
123	static data members can be accessed through-----	dot operator and scope resolution operator
124	composition age----- and aggregation is----- relationship	strong, weak
125	suppose there is an object of type	name

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	person, which of the following can be considered as one of its attributes	
126	Which of the following depicts the proper definition of class?	a class is a description of a kind of object
127	a child inherits characteristics from its-----	parent
128	the car is composed of wheels what is the relationship between car and wheels?	composition
129	----- is creating objects of one class inside another class	composition
130	the other name of specialization is-----	restriction
131	suppose a is an int type static data member class test then which of the following is correct way of initialization the static variable outside the class test	int test::a=0
132	Which of the following stores the address of variable?	Pointer
133		
134		
135	static data member is declared	inside the class
136	polymorphism makes the system	all of the given option
137	which of the following statement best describes the constructor	constructor is used to initialize the data members of a class
138	data member(s) of a class student can be	all of the given option
139	which of the following is a strong relationship	composition
140	all objects of same class has----- attributes	same
141	in C ++ composition is a relationship between----and---- objects	whole, part
142	suppose 12 class string assignment operator is overloaded with following	compiler will generate compile time error

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	declaration void operator=(const string &); what will happen when we will write following statement in main() str=str2=str3;where,str1.str2,str3 are object of class string	
143	in class B inherits from class A then it contains all characteristics of----	class A
144	which of the following is not an example of multiple inheritance	car
145	which of the following can be created without any object of a class?	static data members
146	consider the following code segment class test{int a;int b;int c;}	junk value,5, junk value
147	object orientation approach can be achieved using objects and their-----	interactions
148	member functions defined inside a class declaration are----- by default	private
149	how can we identify classes from a given problem statement	by extracting nouns from problem statement
150	which of the following statement is not true about static variable of a class?	static variable belongs to particular instance of a class
151	there are----- types of constructor in C++	3
152	statement yasir is a friend of Ali and Ali is a friend of yasir is an example of	two way Association
153	this pointer cannot be passed implicitly to----- functions	static member
154	which of the following issues can be caused by the use of friend function	all of the given
155	in----- send a message does not need to know exact class of the receiver	none of the given option

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156	minimum classes required in a program for implementing multiple inheritance	3
157	-----Associates the object of the exact two classes	binary Association
158	main characteristics of information hiding is	keep the model simple
159	static data member is declared	inside the class
160	in expression $b=c/d$ , the arity of division(/) operator is	2
161	we can allocate dynamic memory in C ++ through operator	new
162	Which of the following is true about accessor functions?	all of the given option
163	in---- base class cannot always be replaced by the derived class	specialization
164	abstraction help to	reduce the complexity
165	relationship in which child object gets destroyed if parent object is destroyed	composition
166	object oriented programming is better than procedural programming because:	it is more close to reality
167	The derived class inherits behavior from the base class and also exhibits its own behavior. this concept is known as---	Overriding
168	the other name of subtyping is	Extension
169	A good model is----- related to life problem	closely
170	in generalization general class represents the ----- behavior of the class	common
171	how can we identify from a given problem statement?	by extracting noun from problem statement
172	which of the following is not a access specifier in C ++	hidden
173	in composition----- are called from composing objects to composed objects	destructors

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174	a class have only---- destructor	one
175	suppose you have following C + + statement int old value=10; int new value=++old value; what will be the value of old value and newValue after executing above statements ?	oldVlue=11,newVlue=11
176	in constant Member function the type of this pointer is	constant pointer to constant data
177	----- is creating objects of one class inside another class	composition
178	----- Associates the objects of the exact three classes	ternary Association
179	generalization is implemented through	inheritance
180	which of the following is strong relationship	composition
181	composition is a strong relationship because	composed object cannot exist independently
182	----- is set of function of an object exposed of other objects	interface
183	suppose student is a class, which of the following defines constructor with one parameter for class student	student(char* aName);
184	which of the following is not true about constant Member function	all of the given option
185	----- define the order of evaluation of an operator is an expression	operator precedence
186	choose correct declaration of overloaded inequality(!=) operator for class string as non member friend function	friend bool operator!=(const string &s1,cont string &s2)
187	which of the following is most suitable advantage of information hiding	simplifies the model
188	a fan has wings, which type of relation exists between fan and Wings in this	composition

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	sentence	
189	multiple inheritance is implemented between class through----- symbol	comma(,)
190	postfix unary operator is implemented in C ++ using non Member function with arguments	two
191	Supposed derived class is inherited from base class what happens when a derived class object is created	the constructor of base class exact is executed before the constructor of derived class
192	assignment operator are	right associative
193	a postfix unary operator is implemented in C ++ using number function with	1 dummy int argument
194	which of the following is true about exception functions	all of the given option

vulmsheip