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Multiple Choice Questions   Subject – C++

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1.   Which of the following statements is correct?
A.   Base class pointer cannot point to derived class.
B   Derived class pointer cannot point to base class.
C.   Pointer to derived class cannot be created.
D.   Pointer to base class cannot be created.

2.   Which of the following is not the member of class?
A.   Static function
B   Friend function
C.   Const function
D.   Virtual function

3.   Which of the following concepts means determining at runtime what method to invoke?
A.   Data hiding
B.   Dynamic Typing
C.   Dynamic binding
D   Dynamic loading

4. Which of the following term is used for a function defined inside a class?
A.   Member Variable
B   Member function
C.   Class function
D.   Classic function

5. Which of the following concept of oops allows compiler to insert arguments in a function call if it is not specified?

A.   Call by value
B.   Call by reference
C   Default arguments
D.   Call by pointer

6. How many instances of an abstract class can be created?
A.   1
B.   5
C.   13
D   0

7. Which of the following cannot be friend?
A.   Function
B.   Class
C   Object
D.   Operator function

8. Which of the following concepts of OOPS means exposing only necessary information to client?
A.   Encapsulation
B.   Abstraction

C   Data hiding
D.   Data binding

9. cout is a/an _____ .
A.   operator
B.   function
C   object
D.   macro

10. Which of the following concepts provides facility of using object of one class inside another class?
A.   Encapsulation
B.   Abstraction
C   Composition
D.   Inheritance

11. How many types of polymorphisms are supported by C++?
A.   1
B   2
C.   3
D.   4

12. Which of the following is an abstract data type?

A.   int
B.   double
C.   string
D   Class

13. Which of the following statement is correct?
A   A constructor is called at the time of declaration of an object.
B.   A constructor is called at the time of use of an object.
C.   A constructor is called at the time of declaration of a class.
D.   A constructor is called at the time of use of a class.

14. Which of the following approach is adapted by C++?
A.   Top-down
B   Bottom-up
C.   Right-left
D.   Left-right

15. Which of the following concepts means wrapping up of data and functions together?
A.   Abstraction
B   Encapsulation
C.   Inheritance
D.   Polymorphism

16. Which of the following concepts means waiting until runtime to determine which function to call?
A.   Data hiding
B.   Dynamic casting
C   Dynamic binding
D.   Dynamic loading

17. How "Late binding" is implemented in C++?
A.   Using C++ tables

B   Using Virtual tables
C.   Using Indexed virtual tables
D.   Using polymorphic tables

18. Which of the following operator is overloaded for object cout?
A.   >>
B   <<
C.   +
D.   =

19. Which of the following is the correct class of the object cout?
A.   iostream
B.   istream
C   ostream
D.   ifstream

20. Which of the following cannot be used with the keyword virtual?
A.   class
B.   member functions
C   constructor
D.   destructor

21. Which of the following ways are legal to access a class data member using this pointer?
A   this->x
B.   this.x
C.   *this.x
D.   *this-x

22. Which of the following access specifies is used in a class definition by default?
A.   Protected
B.   Public
C   Private
D.   Friend

23. Which of the following keywords is used to control access to a class member?
A.   Default
B.   Break
C   Protected
D.   Asm

24. Which of the following can access private data members or member functions of a class?
A.   Any function in the program.
B.   All global functions in the program.
C   Any member function of that class.
D.   Only public member functions of that class.

25. Which of the following also known as an instance of a class?
A.   Friend Functions
B   Object
C.   Member Functions
D.   Member Variables

26. Constructor is executed when _____.
A   an object is created
B.   an object is used

C.   a class is declared
D.   an object goes out of scope.

27. How many objects can be created from an abstract class?
A   Zero
B.   One
C.   Two
D.   As many as we want

28. Which of the following can be overloaded?
A.   Object
B.   Functions
C.   Operators
D   Both B and C

29. A constructor that accepts _____ parameters is called the default constructor.
A.   one
B.   two
C   no
D.   three

30. Can a class have virtual destructor?
A   Yes
B.   No

31. Destructor has the same name as the constructor and it is preceded by _____ .
A.   !
B.   ?
C   ~
D. $

32. A function with the same name as the class, but preceded with a tilde character (~) is called
_____ of that class.
A.   constructor
B   destructor
C.   function
D.   object
33. Which of the following statement is correct?
A.   Destructor destroys only integer data members of the object.
B.   Destructor destroys only float data members of the object.
C.   Destructor destroys only pointer data members of the object.
D   Destructor destroys the complete object.

34._____ used to make a copy of one class object from another class object of the same class type.
A.   constructor
B   copy constructor
C.   destructor
D.   default constructor

35. Which of the following cannot be declared as virtual?
A.   Constructor
B.   Destructor
C.   Data Members
D   Both A and C

36. Which of the following are NOT provided by the compiler by default?
A.   Zero-argument Constructor
B.   Destructor
C.   Copy Constructor
D   Copy Destructor

37. How many default constructors per class are possible?
A   Only one
B.   Two
C.   Three
D.   Unlimited

38. Which of the following statement is correct about destructors?
A.   A destructor has void return type.
B.   A destructor has integer return type.
C   A destructor has no return type.
D.   A destructors return type is always same as that of main().

39. A destructor takes _____ arguments.
A.   one
B.   two
C.   three
D   no

40. Which of the following function declaration is/are incorrect?
A.   int Sum(int a, int b = 2, int c = 3);
B.   int Sum(int a = 5, int b);
C.   int Sum(int a = 0, int b, int c = 3);
D   Both B and C are incorrect.
E.   All are correct.

41. Which of the following statement is correct?
A.   Only one parameter of a function can be a default parameter.
B.   Minimum one parameter of a function must be a default parameter.
C   All the parameters of a function can be default parameters.
D.   No parameter of a function can be default.

42. Which of the following is not a type of inheritance?
A.   Multiple
B.   Multilevel
C   Distributive
D.   Hierarchical