Reg. No. :

Question Paper Code: 98467

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2022

One credit

Electronics and communication Engineering

19UEC867 - Programming in C++

(Regulations 2019)

(Common to all branches)

Duration: 1.30 minutes   Maximum: 30 Marks

Answer ALL Questions

PART A - (1 x 30 = 30 Marks)

1. Which of the following type of class allows only one object of it to be created?

    (a) Virtual class   (b) Abstract class   (c) Singleton class   (d) Friend class

2. Which of the following is not a type of constructor?

    (a) Copy constructor   (b) Friend constructor

    (c) Default constructor   (d) Parameterized constructor

3. Which of the following is not the member of class?

    (a) Static function   (b) Friend function   (c) Const function   (d) Virtual function

4. 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

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. Which of the following function declaration is/are incorrect?   .

    (a) intSum(int a, int b = 2, int c = 3);   (b) intSum(int a = 5, int b);

    (c) intSum(int a = 0, int b, int c = 3);   (d) Both B and C are incorrect

7. How many instances of an abstract class can be created?

(a) 1   (b) 5   (c) 13   (d) 0

8. Which of the following cannot be friend?

(a) Function   (b) Class   (c) Object   (d) Operator function

9. Which of the following concepts of OOPS means exposing only necessary information to client?

(a) Encapsulation   (b) Abstraction   (c) Data hiding   (d) Data binding

10. 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.

11. Which of the following correctly describes overloading of functions?

(a) Virtual polymorphism   (b) Transient polymorphism

(c) Ad-hoc polymorphism   (d) Pseudo polymorphism

12. Which of the following two entities (reading from Left to Right) can be connected by the dot operator?

(a) A class member and a class object.   (b) A class object and a class.

(c) A class and a member of that class.   (d) A class object and a member of that class.

13. Which of the following is the address operator?

(a) @   (b) #   (c) &   (d) %

14. Which of the following features must be supported by any programming language to become a pure object-oriented programming language?

(a) Encapsulation   (b) Inheritance   (c) Polymorphism   (d) All of the above

15. Which of the following approach is adapted by C++?

(a) Top-down   (b) Bottom-up   (c) Right-left   (d) Left-right

16. Which of the following is the original creator of the C++ language?

(a) Dennis Ritchie   (b) Ken Thompson   (c) BjarneStroustrup   (d) Brian Kernighan

17. Which of the following is correct about function overloading?

(a) The types of arguments are different.   (b) The order of argument is different.

(c) The number of argument is same   (d) Both A and B.

18. Which of the following concepts means wrapping up of data and functions together?

(a) Abstraction   (b) Encapsulation   (c) Inheritance   (d) Polymorphism

19. Which of the following operator is overloaded for object cout?

(a) >>   (b) <<   (c) +   (d) =

20. Which of the following is the correct class of the object cout?

(a) iostream.   (b) istream   (c) ostream   (d) ifstream

21. Which of the following cannot be used with the keyword virtual?

(a) class   (b) member functions   (c) constructor   (d) destructor

22. 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.

23. Which of the following problem causes an exception?

(a) Missing semicolon in statement in main().   (b) A problem in calling function

(c) A syntax error.   (d) A run-time error.

24. Which of the following concepts is used to implement late binding?

(a) Virtual function   (b) Operator function

(c) Const function   (d) Static function

25. Which of the following can be overloaded?

(a) Object   (b) Functions   (c) Operators   (d) Both B and C

26. Which of the following is a mechanism of static polymorphism?

(a) Operator overloading   (b) Function overloading

(c) Templates   (d) All of the above

27. Which of the following header file includes definition of cin and cout?

(a) istream.h   (b) ostream.h   (c) iomanip.h   (d) iostream.h

28. What will happen if a class is not having any name?

    (a) It cannot have a destructor.   (b) It cannot have a constructor.

    (c) It is not allowed.   (d) Both A and B.

29. Which of the following is an invalid visibility label while inheriting a class?

    (a) public   (b) private   (c) protected   (d) friend

30 Which one of the following options is correct?

    (a) Friend function can access public data members of the class.

    (b) Friend function can access protected data members of the class.

    (c) Friend function can access private data members of the class.

    (d) All of the above.

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