

-: Multiple Choice Questions:-
Computer Science (C++) First Unit
Sample Questions Paper with Answer

1. Which allows you to create a derived class that inherits properties from more than one base class?
 - A. Multilevel inheritance
 - B. Multiple inheritance
 - C. Hybrid Inheritance
 - D. Hierarchical Inheritance
2. Which feature in OOP allows reusing code?
 - A) Polymorphism
 - B) Inheritance
 - C) Encapsulation
 - D) Data hiding
3. A function that changes the state of the cout object is called a(n) _____.
 - A. member B. adjuster
 - C. manipulator D. operator
4. What does C++ append to the end of a string literal constant?
 - A. a space
 - B. a number sign (#)
 - C. an asterisk (*)
 - D. a null character
5. An array element is accessed using
 - A. a first-in-first-out approach
 - B. the dot operator
 - C. a member name
 - D. an index number
6. To hide a data member from the program, you must declare the data member in the _____ section of the class
 - A. concealed B. confidential
 - C. hidden D. private
 - E. restricted

7. External documentation includes

- A. a printout of the program's code
- B. flowcharts
- C. IPO charts
- D. pseudo code
- E. All of the above

8. The function whose prototype is `void getData(Item *thing);` receives

- A. a pointer to a structure
- B. a reference to a structure
- C. a copy of a structure
- D. nothing

9. Null character needs a space of

- A. zero bytes
- B. one byte
- C. three bytes
- D. four bytes

10. The number of structures than can be declared in a single statement is

- A. one B. two
- C. three D. unlimited

11. Which of the following formulas can be used to generate random integers between 1 and 10?

- A. $1 + \text{rand()} \% (10 - 1 + 1)$
- B. $1 + (10 - 1 + 1) \% \text{rand}()$
- C. $10 + \text{rand()} \% (10 - 1 + 1)$
- D. $10 + \text{rand()} \% (10 + 1)$

12. Format flags may be combined using the _____

- A. bitwise OR operator (`|`)
- B. logical OR operator (`||`)
- C. bitwise AND operator (`&`)
- D. logical AND operator (`&&`)

13. Which of the following will store the number 320000 as a Float number?

- A. `counPop = (float) 3.2e5;`
- B. `counPop = (float) 3.2e6;`
- C. `counPop = (float) .32e5;`

- D. `counPop = (float) .32e7;`
14. The arguments that determine the state of the cout object are called
- A. classes
 - B. manipulators
 - C. format flags or state flags
 - D. state controllers
15. The following statement where T is true and F is false `T&&T||F&&T`
- A. is true
 - B. is false
 - C. is wrong
 - D. not applicable in C language
16. Which of the following statements declares a variable that can contain a decimal number?
- A. `dec payRate;`
 - B. `dec hourlyPay`
 - C. `float payRate`
 - D. `float hourlyPay;`
17. The statement `int num[2][3]={ {1,2}, {3,4}, {5, 6} };`
- A. assigns a value 2 to `num[1][2]`
 - B. assigns a value 4 to `num[1][2]`
 - C. gives an error message
 - D. assigns a value 3 to `num[1][2]`
18. A program will have one function prototype for each function defined in the programmer-defined section of the program. (Assume that the programmer-defined section is located below the main function.)
- A. true
 - B. false
19. The standard input stream, which refers to the keyboard, is called
- A. `cin`
 - B. `cout`
 - C. `stin`
 - D. `stout`
20. Elements in an array are identified by a unique _____
- A. data type
 - B. order
 - C. subscript

D. symbol

21. The statement `fwrite ((char*)&objl, sizeof(objl));`

A. writes the member functions of objl to fl

B. writes the data in objl to fl

C. writes the member functions and me data of obj 1 to fl

D. writes the address of objl to fl

22. The body of a C++ function is surrounded by _____

A. parentheses

B. angle brackets

C. curly brackets

D. square brackets

23. Which of the following type casts will convert an Integer variable named amount to a Double type?

A. `(double) amount`

B. `(int to double) amount`

C. `int to double(amount)`

D. `int (amount) to double`

24. The loosest type of coupling is

A. data coupling

B. control coupling

C. external coupling

D. pathological coupling

25. Which of the following is a string literal constant?

A. "Visual C++"

B. "137.45"

C. "A"

D. "2,365"

E. All of the above

26. Which of the following, if any, are valid names for variables?

A. class

B. friend

C. #OnHand

D. void

E. None of the above is valid names for variables

27. You have assigned the address of Value to the pointer P, Which statement will display the value stored in Value?

- A. `cout<<P;` B. `cout<<*Value;`
C. `cout<<&P;` D. `cout<<*P;`

28. The void specifier is used if a function does not have return type.

- a. True
b. False

29. You must specify void in parameters if a function does not have any arguments.

- a. True
b. False

30. Type specifier is optional when declaring a function

- a. True
b. False

31. A pointer to a block of memory is effectively same as an array

- A. True B. False

32. Does this mentioning array name gives the base address in all the contexts?

- A. Yes B. No

33. Is there any difference int the following declarations?

`int fun(int arr[]);`

`int fun(int arr[2]);`

- A. Yes B. No

34. Are the expressions `arr` and `&arr` same for an array of 10 integers?

- A. Yes B. No

35. The keyword used to transfer control from a function back to the calling function is

- A. `switch` B. `goto`
C. `go back` D. `return`

Answer:-

1. B
2. B
3. C
4. D
5. D

6. D
7. A
8. A
9. B
10. D
11. A
12. A
13. A
14. C
15. A
16. D
17. C
18. A
19. A
20. C
21. B
22. C
23. A
24. A
25. E
26. E
27. D
28. A
29. B
30. B
31. A
32. B
33. B
34. B
35. D