CS201 Latest Solved MCQs

Quiz Start Time: 09:34 PM   Time Left   82 sec(s)

Question # 1 of 10 (Start time: 09:34:54 PM)   Total Marks: 1
While developing a program; should we think about the user interface? //handouts main reusability hay..us ki yahan option hi nahi hay
 Select correct option:

Yes

No

Quiz Start Time: 09:34 PM   Time Left   75 sec(s)

Question # 2 of 10 (Start time: 09:35:20 PM)   Total Marks: 1
A character is stored in the memory in _____
 Select correct option:

byte

integer

string

None of the given

Quiz Start Time: 09:34 PM

Question # 3 of 10 (Start time: 09:36:21 PM)   Total Marks: 1

These functions seekg() and seekp() requires an argument of type _____ to let them how many bytes to move forward or backward.

 Select correct option:

int

short

long

double

Quiz Start Time: 09:34 PM   Time Left   85 sec(s)

Question # 4 of 10 (Start time: 09:37:30 PM)   Total Marks: 1

dereferencing operator is represented by _____

 Select correct option:

*

+

_

None of the given

Quiz Start Time: 09:34 PM   Time Left   86 sec(s)

Question # 5 of 10 (Start time: 09:38:55 PM)   Total Marks: 1
_____ transfers the executable code from main memory to hard disk.

 Select correct option:

Loader

Debugger

Compiler

Linker

Quiz Start Time: 09:34 PM   Time Left   85 sec(s)

Question # 6 of 10 (Start time: 09:40:21 PM)   Total Marks: 1
When the logical operator OR (||) combine two expressions exp1 and exp2 then the result will be false only, //bitwise "or" applies here….
 Select correct option:

When both exp1 and exp2 are true

When both exp1 and exp2 are false

When exp1 is true and exp2 is false

When exp1 is false and exp2 is true

Quiz Start Time: 09:34 PM   Time Left   79 sec(s)

Question # 7 of 10 (Start time: 09:41:43 PM)   Total Marks: 1
suppose we have int y[10]; To access the 4th element of the array we write_____
 Select correct option:

y[4];

y[3];

y[2];

<mark>none of given</mark>

Quiz Start Time: 09:34 PM   Time Left   82 sec(s)

Question # 8 of 10 (Start time: 09:43:10 PM)   Total Marks: 1
we have opened a file stream myfile for reading (getting), myfile.tellg () gives us the current get position of the file pointer. It returns a whole number of type_____
 Select correct option:

long

<mark>int</mark>

short

double

Quiz Start Time: 09:34 PM   Time Left   80 sec(s)

Question # 9 of 10 (Start time: 09:44:42 PM)   Total Marks: 1
ofstream is used for_____
 Select correct option:

Input file stream

Output file stream

Input and output file stream

All of the given

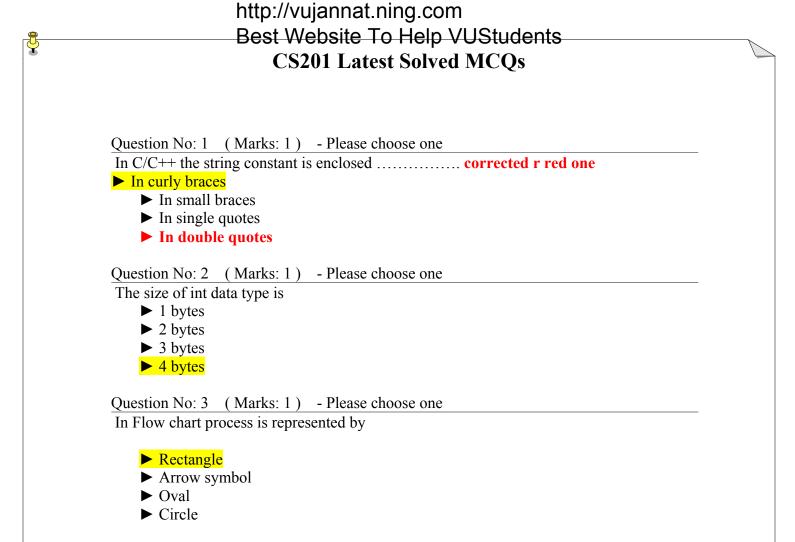Quiz Start Time: 09:34 PM   Time Left   80 sec(s)
 http://vustudents.ning.com

Question # 10 of 10 (Start time: 09:46:11 PM)   Total Marks: 1
A structure is a collection of _____under a single name.
 Select correct option:

values

variables

data

None of the given

CS201 Latest Solved MCQs

Question No: 1   (Marks: 1)   - Please choose one
In C/C++ the string constant is enclosed ……………. **corrected r red one**
► In curly braces
   ► In small braces
   ► In single quotes
   ► In double quotes

Question No: 2   (Marks: 1)   - Please choose one
The size of int data type is
   ► 1 bytes
   ► 2 bytes
   ► 3 bytes
   ► 4 bytes

Question No: 3   (Marks: 1)   - Please choose one
In Flow chart process is represented by

   ► Rectangle
   ► Arrow symbol
   ► Oval
   ► Circle

Question No: 4   (Marks: 1)   - Please choose one
If the break statement is missed in switch statement then,**// a break statement with no label always completes abruptly, the reason being a break with no label. If no switch, while, do, or for statement in the immediately enclosing method, constructor or initializer encloses the break statement, a compile-time error occurs.**

   ► The compiler will give error
   ► This may cause a logical error
   ► No effect on program
   ► Program stops its execution

Question No: 5   (Marks: 1)   - Please choose one
When we are using const keyword with a variable x then initializing it at the time of declaration is,

   ► Must
   ► Optional
   ► Not necessary
   ► A syntax error

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Question No: 6   (Marks: 1)   - Please choose one

Which of the following is the correct way to assign an integer value 5 to element of a matrix say 'm' at second row and third column?

► m[2][3] = 5 ;

► m[3][2] = 5 ;

► m[1][2] = 5 ;
► m[2][3] = '5';

Question No: 7   (Marks: 1)   - Please choose one

How many total elements must be in two-dimensional array of 3 rows and 2 columns?

► 4
► 5
► 6
► 7

Question No: 8   (Marks: 1)   - Please choose one

Which of the following is the correct statement for the following declaration?
const int *ptr.

►ptr is a constant pointer

►ptr is constant integer pointer

►ptr is a constant pointer to int

►ptr is a pointer to const int

Question No: 9   (Marks: 1)   - Please choose one

Consider the following code segment. What will be the output of this code segment?As arrays starts from 0 index………at 1st position is 3………n at position 4th is 5……….5-3=2

```
int arr[6] = {2, 3, 7, 4, 5, 6} ;
int *ptr1 =&arr[1] ;
int *ptr2 = &arr[4] ;
cout << (ptr2-ptr1) ;
```

► 3

► 9
► 12
► **2**

Question No: 10   (Marks: 1)   - Please choose one
What will be the correct syntax to assign an array named *arr* of 5 elements to a pointer *ptr*?

► *ptr = arr ;

► ptr = arr ;

► ***ptr = arr[5] ;**

► ptr = arr[5] ;

Question No: 11   (Marks: 1)   - Please choose one
C is a/an _____ language
► low level
► object based
► **object oriented**
► function oriented

Question No: 13   (Marks: 1)   - Please choose one
The variables having a name, type and size are just like empty boxes.
► False
► True

Question No: 14   (Marks: 1)   - Please choose one

What's wrong with this for loop?
for (int k = 2, k <=12, k++)

► the increment should always be ++k
► the variable must always be the letter i when using a for loop
► there should be a semicolon at the end of the statement
► the commas should be semicolons

Question No: 15   (Marks: 1)   - Please choose one
Most efficient method of dealing with structure variables is to define the structure globally

► True
► False

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Question No: 16   (Marks: 1)   - Please choose one

Syntax of union is identical to _____

►**Structure**
►Class
►Function
►None of the given options

FINALTERM EXAMINATION
Fall 2008
CS201- Introduction to Programming

Time: 120 min
Marks: 75

Question No: 1   (Marks: 1) - Please choose one

There are mainly --------------------- types of software.//

► Two
► Three
► Four
► Five

Question No: 2   (Marks: 1) - Please choose one

seekg() and write() are functionally _____ .//
Write() Writes a specified number of bytes from a memory location to the file.
seekg() Moves the file position indicator to a specific location in the file.
The Position property of TFileStream simplifies seeking in a file and performs the
same function as the ifstream methods tellg() and seekg(). You can read Position to
determine the current file position, or you can write to Position to move the file
position.

► Different
► Identical
► **Two names of same function**
► None of the above

Question No: 3   (Marks: 1) - Please choose one
When a pointer is incremented, it actually jumps the number of memory addresses

► According to data type
► 1 byte exactly
► 1 bit exactly
► A pointer variable can not be incremented

9

Question No: 4   (Marks: 1) - Please choose one

setw is a parameterized manipulator.

► True
► False

Question No: 5   (Marks: 1) - Please choose one

eof( ), bad( ), good( ), clear( ) all are manipulators.

► True
► False

Question No: 6   (Marks: 1) - Please choose one

In functions that return reference, use _____variables.

► Local
► Global
► Global or static
► None of the given option

Question No: 7   (Marks: 1) - Please choose one

The declarator of Plus (+) member operator function is
//not confirmed

► Class-Name operator + (Class-Name rhs)
► operator Class-Name + ( )
► operator Class-Name + (rhs)
► Class-Name operator + ( )

Question No: 8   (Marks: 1) - Please choose one

The compiler does not provide a copy constructor if we do not provide it……….

//Normally it provides but in some cases of classes it is good practice to provide user define copy constructor…
► True
► False

Question No: 9   (Marks: 1) - Please choose one

CS201 Latest Solved MCQs

What is the functionality of the following syntax to delete an array of 5 objects named *arr* allocated using new operator?
delete arr ;

- ► Deletes all the objects of array
- ► Deletes one object of array
- ► Do not delete any object
- ► Results into syntax error

Question No: 10   (Marks: 1) - Please choose one

What is the sequence of event(s) when allocating memory using new operator?

- ► Only block of memory is allocated for objects
- ► Only constructor is called for objects
- ► Memory is allocated first before calling constructor
- ► Constructor is called first before allocating memory

Question No: 11   (Marks: 1) - Please choose one
What is the sequence of event(s) when deallocating memory using delete operator?

- ► Only block of memory is deallocated for objects
- ► Only destructor is called for objects
- ► Memory is deallocated first before calling destructor
- ► Destructor is called first before deallocating memory

Question No: 12   (Marks: 1) - Please choose one

new and **delete** operators cannot be overloaded as member functions.

- ► True
- ► **False**

Question No: 13   (Marks: 1) - Please choose one

The operator function of << and >> operators are always the member function of a class.

- ► True
- ► False

Question No: 14   (Marks: 1) - Please choose one

CS201 Latest Solved MCQs

A template function must have at least ---------- generic data type

- ► Zero
- ► One
- ► Two
- ► Three

Question No: 15   (Marks: 1) - Please choose one

If we do not mention any *return_value_type* with a function, it will return an _____ value.

- ► int
- ► void
- ► double
- ► float

Question No: 16   (Marks: 1) - Please choose one

Suppose a program contains an array declared as **int arr[100];** what will be the size of array?

- ► 0
- ► 99
- ► 100
- ► 101

Question No: 17   (Marks: 1) - Please choose one

The name of an array represents address of first location of array element.

- ► True
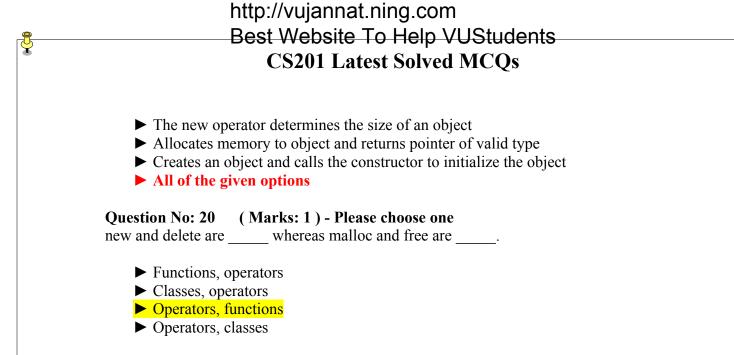- ► False

Question No: 18   (Marks: 1) - Please choose one

Reusing the variables in program helps to save the memory

- ► True
- ► False

Question No: 19   (Marks: 1) - Please choose one

Which of the following option is true about new operator to dynamically allocate memory to an object?

// **new** is an operator that allows dynamic memory allocation on the heap. Except for a form called the "placement new", **new** attempts to allocate enough memory on the heap for the new data and, if successful, returns the address to the newly allocated memory. However if **new** can not allocate memory on the heap it will throw an exception of type std::bad_alloc. This removes the need to explicitly check the result of an allocation.

► The new operator determines the size of an object
► Allocates memory to object and returns pointer of valid type
► Creates an object and calls the constructor to initialize the object
► **All of the given options**

Question No: 20   (Marks: 1) - Please choose one
new and delete are _____ whereas malloc and free are _____.

► Functions, operators
► Classes, operators
► Operators, functions
► Operators, classes

Question No: 21   (Marks: 1) - Please choose one

Like member functions, _____ can also access the private data members of a class.
► Non-member functions
► Friend functions
► Any function outside class
► None of the given options

Question No: 22   (Marks: 1) - Please choose one

Which of the following statement is best regarding declaration of friend function?
► Friend function must be declared after public keyword.
► Friend function must be declared after private keyword.
► Friend function must be declared at the top within class definition.
► It can be declared anywhere in class as these are not affected by the public and private keywords.

Question No: 23   (Marks: 1) - Please choose one
The operator function overloaded for an Assignment operator (=) must be
► Non-member function of class
► **Member function of class**
► Friend function of class
► None of the given options

Question No: 24   (Marks: 1) - Please choose one
For non-member operator function, object on left side of the operator may be

► Object of operator class
► Object of different class
► Built-in data type
► All of the given options

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Question No: 25   (Marks: 1) - Please choose one
The operator function will be implemented as _____, if obj1 drive the - operator whereas obj2 is passed as arguments to - operator in the statement given below.
obj3 = obj1 - obj2;

► Member function
► Non-member function
► **Friend function**
► None of the given options

Question No: 26   (Marks: 1) - Please choose one
Which one of the following is the declaration of overloaded pre-increment operator implemented as member function?
► Class-name operator +() ;
► Class-name operator +(int) ;
► Class-name operator ++() ;
► Class-name operator ++(int) ;

Question No: 27   (Marks: 1) - Please choose one

The static data members of a class are initialized _____

► at file scope
► **within class definition**
► within member function
► within main function

Question No: 28   (Marks: 1) - Please choose one

Class is a user defined_____.

► data type
► memory referee
► value
► none of the given options.

Question No: 29   (Marks: 1) - Please choose one
We can also define a user-defines manipulators.

► **True**
► False

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Question No: 30   (Marks: 1) - Please choose one

Automatic variable are created on _____ .

► Heap
► Free store
► static storage
► **stack**

Current

Question No: 1   (Marks: 1) - Please choose one

Compiler is a

► **System software**
► Application Software
► Driver
► Editor

Question No: 2   (Marks: 1) - Please choose one

Operating System is

► An application software
► **System Software**
► Computer Language
► Interpreter

Question No: 3   (Marks: 1) - Please choose one

Which one is the correct syntax for defining an identifier **PI** with preprocessor directive?

► #define PI 3.1415926;
► **#define PI 3.1415926**
► #define PI = 3.1415926 ;
► #define PI = 3.1415926

Question No: 4   (Marks: 1) - Please choose one

Character strings are arrays of characters that can store

► Only one character
► **Limited number of characters**
► **Number of characters specified.**
► None of the given option

15

Question No: 5   (Marks: 1) - Please choose one
Which of the following is NOT a preprocessor directive?

► #error
► #define
► #line
► **#ndefine**

Question No: 6   (Marks: 1) - Please choose one

Which kind of functions can access private member variables of a class?

► Friend functions of the class
► Private member functions of the class
► Public member functions of the class
► Friend, private and public functions

Question No: 7   (Marks: 1) - Please choose one
Let suppose   int a, b, c, d, e;, a = b = c = d = e = 42;
This can be interpreted by the complier as:// **assignment is right-associative.**

► **a = (b = (c = (d = (e = 42))));**
► (a = b = (c = (d = (e = 42))));
► a = b = (c = (d = (e = 42)));
► (a = b) = (c = d) = (e = 42);

Question No: 8   (Marks: 1) - Please choose one

Friend function of a class is _____ . http://vustudents.ning.com

► **Member function**

► Non-member function

► Private function

► Public function

Question No: 9   (Marks: 1) - Please choose one

Function implementation of friend function must be defined outside the class.

► **True**
► False

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Question No: 10   (Marks: 1) - Please choose one
When we define an array of objects then,

 ► Constructor will be called once for whole array
 ► **Constructor will be called for each object of the array**
 ► Constructor will never call
 ► Depends on the size of array

Question No: 11   (Marks: 1) - Please choose one

The stream objects **cin** and **cout** are included in which header file?
 ► **iostream.h**
 ► fstream.h
 ► istream.h
 ► ostream.h

Question No: 12   (Marks: 1) - Please choose one

What is the sequence of event(s) when allocating memory using new operator?

 ► Only block of memory is allocated for objects
 ► Only constructor is called for objects
 ► **Memory is allocated first before calling constructor**
 ► Constructor is called first before allocating memory

Question No: 13   (Marks: 1) - Please choose one
Missing semicolon ';' at the end of C++ statement is

 ► Logical error
 ► **Syntax error**
 ► Runtime error
 ► None of the given options

Question No: 14   (Marks: 1) - Please choose one

An array stores the numbers into consecutive memory locations.

 ► **True**
 ► False

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Question No: 15   (Marks: 1) - Please choose one

The template functions do NOT promote the code reuse

► True
► False

Question No: 16   (Marks: 1) - Please choose one

What will be the correct syntax for initialization of pointer *ptr* of type int with variable *x*?

► int ptr = &x ;
► int ptr = x ;
► int *ptr = &x ;
► int ptr* = &x ;

Question No: 17   (Marks: 1) - Please choose one

Which of the following function calling mechanism is true for the function prototype given below?
float func(float &);

► Call by value
► Call by reference using pointer
► Call by reference using reference variable
► None of the given options

Question No: 18   (Marks: 1) - Please choose one

If overloaded plus operator is implemented as non-member function then which of the following statement will be true for the statement given below?
obj3 = obj1 + obj2 ;

► obj2 will be passed as an argument to + operator whereas obj2 will drive the + operator
► obj1 will drive the + operator whereas obj2 will be passed as an argument to + operator
► Both objects (obj1, obj2) will be passed as arguments to the + operator
► Any of the objects (obj1, obj2) can drive the + operator

Question No: 19   (Marks: 1) - Please choose one
Which of the following object(s) will call the member operator function within the statement given below?
obj1=obj2+obj3;

► Object obj1
► Object obj2
► **Object obj3**
► Any of the object

Question No: 20   (Marks: 1) - Please choose one

For cin, the source is normally a _____ and destination can be _____.

► File, native data type
► Disk, user-define type
► **Keyboard, variable**
► File, user-define type

Question No: 21   (Marks: 1) - Please choose one

The static data members of a class will be _____
► shared by objects
► created for each object
► initialized within class
► **initialized within main function**

Question No: 22   (Marks: 1) - Please choose one

Which of the following function cannot be overloaded?
► Member functions
► Utility functions
► Constructor
► **Destructor**

Question No: 23   (Marks: 1) - Please choose one

The region of memory, available for allocation at run time in C language is called _____ memory whereas in C++ language is called as _____.

► Heap, Stack
► Stack, Free Store
► Heap, Free Store
► **None of above**

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Question No: 24   (Marks: 1) - Please choose one

A variable which is defined inside a function is called

- ► **Automatic variable**
- ► Global variable
- ► Functional variable
- ► None of the given option

Question No: 25   (Marks: 1) - Please choose one

The default copy constructor provides member wise assignment.
- ► **True**
- ► False

Question No: 26   (Marks: 1) - Please choose one

The code is written to _____ the program.
- ► **implement**
- ► design
- ► analysis
- ► none of the given options.

Question No: 27   (Marks: 1) - Please choose one

When a call to a user-defined function finishes, the variable defined inside the function is still in existence.

- ► True
- ► **False**

Question No: 28   (Marks: 1) - Please choose one

To avoid dangling reference, always return the reference of a local variable from a function.

- ► **True**
- ► False

Question No: 29   (Marks: 1) - Please choose one

Analysis is the -------------- step in designing a program.

- ► Last
- ► Middle
- ► Post Design

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► **First**

Question No: 30   (Marks: 1) - Please choose one

"delete" operator is used to return memory to free store, which is allocated by the **"new"** operator.

► **True**
► False

Question No: 1   (Marks: 1) - Please choose one

In C/C++ if we define an array of size eight (8) i.e. int Arr [8]; then the last element of this array will be stored at,

► Arr[0]
► Arr[8]
► Arr[7]
► Arr[-1]

Question No: 2   (Marks: 1) - Please choose one

When an array is passed to a function then default way of passing this array is,

► By data
► By reference
► By value
► By data type

Question No: 3   (Marks: 1) - Please choose one

Array is a data structure which store

► **Memory addresses**
► Variables
► Data Type
► Data

Question No: 4   (Marks: 1) - Please choose one

We can also create an array of user define data type.

► True
► False

CS201 Latest Solved MCQs

Question No: 5   (Marks: 1) - Please choose one

When we define an array of objects then,

► Destructor will call once for whole array
► Destructor will call for each object of the array
► Destructor will never call
► Depends on the size of array

Question No: 6   (Marks: 1) - Please choose one

What is the sequence of event(s) when allocating memory using new operator?

► Only block of memory is allocated for objects
► Only constructor is called for objects
► Memory is allocated first before calling constructor
► Constructor is called first before allocating memory

Question No: 7   (Marks: 1) - Please choose one

We can delete an array of objects without specifying [] brackets if a class is not doing dynamic memory allocation internally.

► True
► False

Question No: 8   (Marks: 1) - Please choose one

The second parameter of operator functions for << and >> are objects of the class for which we are overloading these operators.

► True
► False

Question No: 9   (Marks: 1) - Please choose one

Which of the following is correct way to initialize a variable x of int type with value 10?

► int x ; x = 10 ;
► int x = 10 ;
► int x, x = 10;
► x = 10 ;

Question No: 10   (Marks: 1) - Please choose one

Default mechanism of function calling in case of array is _____ and in case of variable is ___. http://vustudents.ning.com

- ► Call by value, call by reference
- ► Call by referene, call by reference
- ► **Call by reference, call by value**
- ► Call by value, call by value

Question No: 11   (Marks: 1) - Please choose one

What does STL stand for?

- ► Source template library
- ► **Standard template library**
- ► Stream template library
- ► Standard temporary library

Question No: 12   (Marks: 1) - Please choose one

Skill(s) that is/are needed by programmers _____.

- ► Paying attention to detail
- ► Think about the reusability
- ► Think about user interface
- ► **All of the given options**

Question No: 13   (Marks: 1) - Please choose one

For which array, the size of the array should be one more than the number of elements in an array?

- ► int
- ► double
- ► float
- ► **char**

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Question No: 14   (Marks: 1) - Please choose one

new and delete are _____ whereas malloc and free are _____.

► Functions, operators
► Classes, operators
► Operators, functions
► Operators, classes

Question No: 15   (Marks: 1) - Please choose one

Friend functions are _____ of a class.

► Member functions
► Public member functions
► Private member functions
► Non-member functions

Question No: 16   (Marks: 1) - Please choose one

The prototype of friend functions must be written _____ the class and its definition must be written _____

► inside, inside the class
► inside, outside the class
► outside, inside the class
► outside, outside the class

Question No: 17   (Marks: 1) - Please choose one

If overloaded plus operator is implemented as non-member function then which of the following statement will be true for the statement given below?
obj3 = obj1 + obj2 ;

► obj2 will be passed as an argument to + operator whereas obj2 will drive the + operator
► obj1 will drive the + operator whereas obj2 will be passed as an argument to + operator
► Both objects (obj1, obj2) will be passed as arguments to the + operator
► Any of the objects (obj1, obj2) can drive the + operator

CS201 Latest Solved MCQs

Question No: 18   (Marks: 1) - Please choose one

Which one of the following is the declaration of overloaded pre-increment operator implemented as member function?

> ► Class-name operator +() ;
> ► Class-name operator +(int) ;
> ► Class-name operator ++() ;
> ► **Class-name operator ++(int) ;**

Question No: 19   (Marks: 1) - Please choose one

For cin, the source is normally a _____ and destination can be _____.

> ► File, native data type
> ► Disk, user-define type
> ► **Keyboard, variable**
> ► File, user-define type

Question No: 20   (Marks: 1) - Please choose one

We can also do conditional compilation with preprocessor directives.
> ► **True**
> ► False

Question No: 21   (Marks: 1) - Please choose one

The programs, in which we allocate static memory, run essentially on _____

> ► Heap
> ► System Cache
> ► None of the given options
> ► **Stack**

Question No: 22   (Marks: 1) - Please choose one

The default value of a parameter can be provided inside the _____

> ► function prototype
> ► **function definition**
> ► both function prototype or function definition
> ► none of the given options.

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CS201 Latest Solved MCQs

Question No: 23   (Marks: 1) - Please choose one

While calling function, the arguments are assigned to the parameters from _____.

- ► left to right.
- ► right to left
- **► no specific order is followed**
- ► none of the given options.

Question No: 24   (Marks: 1) - Please choose one

When an operator function is defined as member function for a binary Plus (+) operator then the number of argument it take is/are.

- ► Zero
- ► One
- ► Two
- **► N arguments**

Question No: 25   (Marks: 1) - Please choose one

With user-defined data type variables (Objects), self assignment can produce _____.

- ► Syntax error
- **► Logical error**
- ► Link error
- ► Non of the given options

Question No: 26   (Marks: 1) - Please choose one

Assignment operator is used to initialize a newly declared object from existing object.

- **► True**
- ► False

Question No: 27   (Marks: 1) - Please choose one

When an object of a class is defined inside an other class then,

- ► Constructor of enclosing class will be called first
- **► Constructor of inner object will be called first**
- ► Constructor and Destructor will be called simultaneously
- ► None of the given options

Question No: 28   (Marks: 1) - Please choose one

In the member initializer list, the data members are initialized,

► From left to right
► From right to left
► In the order in which they are defined within class
► None of the given options

Question No: 29   (Marks: 1) - Please choose one

new operator allocates memory from free store and return _____ .

► A pointer
► A reference
► An integer
► A float

Question No: 30   (Marks: 1) - Please choose one

"new" and "delete" keywords are _____ in C++ language.
► Built-in- Function
► Operators
► Memory Allocation Function
► None of the given options