

FINAL TERM EXAMINATION 2011

CS201- Introduction to Programming

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

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

- ▶ Zero
- ▶ **One (Page 499)**
- ▶ Two
- ▶ Three

Question No: 2 (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. (Page 346)**

Question No: 3 (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 ++() ; (Page 389)**
- ▶ Class-name operator ++(int) ;

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

Class is a user defined _____.

- ▶ **data type (Page 317)**
- ▶ memory referee
- ▶ value
- ▶ none of the given options.

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

How many bytes will the pointer intPtr of type int move in the following statement? intPtr += 3 ;

- ▶ 3 bytes
- ▶ 6 bytes
- ▶ **12 bytes**
- ▶ 24 bytes

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

Which of the following is the correct C++ syntax to allocate space dynamically for an array of 10 int?

- ▶ new int(10);
- ▶ **new int[10];**
- ▶ int new(10);
- ▶ int new[10];

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

A Pointer is a special variable that contain

- ▶ Data values
- ▶ **Memory Address (Page 267)**
- ▶ Both data and values
- ▶ None of the given option

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

Reference Value Type Data The code is written to _____ the program.

- ▶ **implement**
- ▶ design
- ▶ analysis
- ▶ none of the given options

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Operator overloading can be performed through _____.

- ▶ Classes
- ▶ **Function (Page 371)**
- ▶ Operators
- ▶ Reference

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

When a value is referred by a normal variable then it is known as,

- ▶ **Direct Reference (page 143)**
- ▶ Indirect Reference.

- ▶ Partial Reference
- ▶ Proper Reference

When a value is referred by a normal variable is known as direct reference

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

Which of the following function is used to increase the size of already allocated memory chunk?

- ▶ malloc
- ▶ calloc
- ▶ **realloc (Page 285)**
- ▶ free

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

Which of the following is NOT a preprocessor directive?

- ▶ #error
- ▶ #define
- ▶ #line
- ▶ **#undef (Page 272)**

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

The stream objects cin and cout are included in which header file?

- ▶ **iostream.h (Page 15)**
- ▶ fstream.h
- ▶ istream.h
- ▶ ostream.h

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

Overloaded delete operator function takes the same parameter as an argument returned by new operator function.

- ▶ **True (Page 414)**
- ▶ False

The same pointer that is returned by the new operator, is passed as an argument to the delete operator. These rules apply to both, if operators (new and delete) are overloaded as member or non-member operators (as global operators).

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

When an array of object is created dynamically then there is no way to provide parameterized constructors for array of objects.

- ▶ **True (Page 414)**
- ▶ False

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

C is widely known as development language of _____ operating system.

- ▶ Linux
- ▶ Windows
- ▶ **Unix (Page 12)**
- ▶ Mac OS

In the start C became widely known as the development language of the UNIX operating system, and the UNIX operating system was written by using this C language. The C language is so powerful that the compiler of C and other various operating systems are written in C.

Question No: 9 (Marks: 1) - Please choose one
Computer can understand only machine language code.

- ▶ **True**
- ▶ False

Question No: 10 (Marks: 1) - Please choose one
We can not define a function as a friend of a Template class.

- ▶ True
- ▶ **False (Page 151)**

Class templates can have friends. A class or class template, function, or function template can be a friend to a template class. Friends can also be specializations of a class template or function template, but not partial specializations.

Question No: 11 (Marks: 1) – Please choose one
What will be the value of 'a' and 'b' after executing the following statements?

```
A = 3;  
b = a++;
```

- ▶ 3, 4
- ▶ 4, 4
- ▶ 3, 3
- ▶ **4, 3**

Question No: 12 (Marks: 1) – Please choose one
Consider the following code segment. What will be the output of following code?

```
Int addValue (int *a){  
int b = (*a) + 2;  
return b ;  
}  
main () {  
int x =6 ;  
cout << x << “, ” ;  
cout << addValue(&x) << “, ” ;  
cout << x ;  
}
```

▶ 6,8,6

- ▶ 6,6,8
- ▶ 6,8,8
- ▶ 6,6,6

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

_____ is used to trace the logic of the program and correct the logical errors.

- ▶ Compiler
- ▶ Editor
- ▶ Linker

▶ **Debugger (Page 13)**

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

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

- ▶ Functions, operators
- ▶ Classes, operators

▶ **Operators, functions (Page 342-285)**

- ▶ Operators, classes

Hence, we can call new and delete operators, P# 342
we have allocated a memory space for our use by malloc function. P# 285

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

Like member functions, _____ can also access the private data members of a class.

- ▶ Non-member functions

▶ **Friend functions (Page 346)**

- ▶ Any function outside class
- ▶ None of the given options

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

Which situation would require the use of a non-member overloaded operator?

- ▶ The overloaded operator is an Assignment operator.

▶ **The left most operand is an object of a class.(Page 375)**

- ▶ The left operand is built-in data type.
- ▶ The operator returns a reference.

When an operator function is implemented as a non-member function, the left-most operand may be an object of the operator's class, an object of a different class, or a built-in type

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

The stream insertion and stream extraction operators are already overloaded for _____.

- ▶ User-defined data types

▶ **Built-in data types <http://www.sstutor.com/cpp/stream1.htm>**

- ▶ User-defined and built-in data types
- ▶ None of the given options

malloc to _____ .

- ▶ stack
- ▶ **heap**
- ▶ stack and heap
- ▶ None of the given options

Question No: 24 (Marks: 1) – Please choose one
width() is member function of _____

- ▶ cin object
- ▶ cout object
- ▶ **Both cin and cout object (Page 440)**
- ▶ None of the given option

Question No: 25 (Marks: 1) - Please choose one
Templates are not type safe.

- ▶ true
- ▶ **false (Page 518)**

Templates are type-safe. This is because the types that templates act upon are known at compile time, so the compiler can perform type checking before errors occur.

Question No: 26 (Marks: 1) - Please choose one
A Matrix can be composed of ints, floats or doubles as their elements. Best way is to handle this ,

- ▶ Write a separate class to handle each
- ▶ **Use templates (Page 527)**
- ▶ Use strings to store all types
- ▶ None of the given options

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Question No: 1 (Marks: 1) - Please choose one
In if structure the block of statements is executed only,

- ▶ When the condition is false
- ▶ When it contain arithmetic operators
- ▶ When it contain logical operators
- ▶ **When the condition is true (Page 38)**

Question No: 2 (Marks: 1) - Please choose one
Header file: **fstream.h** includes the definition of the stream classes _____.

- ▶ ifstream, fstream, cout

▶ **ifstream, fstream, ofstream (Page 199)**

- ▶ fstream, cin, cout
- ▶ None of the above

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

To access the data members of structure _____ is used.

▶ **dot operator (.) (Page 231)**

- ▶ * operator
- ▶ U operator
- ▶ None of given.

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

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

▶ **True (Page 433)**

- ▶ False

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

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

▶ **Friend functions of the class (Page 374)**

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

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

The return type of operator function must always be void.

- ▶ True

▶ **False (Page 79)**

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

Friend function of a class is _____ .

- ▶ Member function

▶ **Non-member function (Page 348)**

- ▶ Private function
- ▶ Public function

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

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

- ▶ True

▶ **False (Page 346)**

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

The normal source of cin object is,

- ▶ File
- ▶ Disk
- ▶ **Keyboard (Page 424)**
- ▶ RAM

Question No: 10 (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: 11 (Marks: 1) - Please choose one

Consider the following code segment. What will be the output of the following program?

```
int func(int) ;  
int num = 10 ;  
  
int main(){  
int num ;  
num = 5 ;  
cout << num ;  
cout << func(num) ;  
}  
int func(int x){  
return num ;  
}
```

- ▶ 5, 5
- ▶ 10, 5
- ▶ **5, 10**
- ▶ 10, 10

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

With template function, the compiler automatically detects the passed data and generates a new copy of function using passed data.

- ▶ **True Page 510**
- ▶ False

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

What will be the correct syntax to declare two-dimensional array of float data type?

- ▶ float arr{2}{2} ;
- ▶ **float arr[2][2] ;**

- ▶ float arr[2,2] ;
- ▶ float[2][2] arr ;

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

The first parameter of operator function for << operator,

- ▶ Must be passed by value
- ▶ **Must be passed by reference (Page 446)**
- ▶ Can be passed by value or reference
- ▶ Must be object of class

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

Heap is constantly changing in size.

- ▶ **True (Page 280)**
- ▶ False

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

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

- ▶ **left to right. (Page 295)**
- ▶ right to left
- ▶ no specific order is followed
- ▶ none of the given options.

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

Classes defined inside other classes are called _____ classes

- ▶ looped
- ▶ **nested (Page 492)**
- ▶ overloaded
- ▶ none of the given options.

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

If we define an identifier with the statement `#define PI 3.1415926` then during the execution of the program the value of PI _____.

- ▶ can not be replaced
- ▶ None of the given options
- ▶ **Remain constant. (Page 271)**
- ▶ can be changed by some operation

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

Which value is returned by the destructor of a class?

- ▶ A pointer to the class.

- ▶ An object of the class.
- ▶ A status code determining whether the class was destructed correctly
- ▶ **Destructors do not return a value. (page 323)**

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

Every class contains _____.

- ▶ Constructor
- ▶ Destructor
- ▶ **Both a constructor and a destructor (Lecture 27)**
- ▶ None of the given options

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

A template function must have

- ▶ **One or more than one arguments**
- ▶ Only one argument
- ▶ Zero arguments
- ▶ None of the given options

http://en.wikipedia.org/wiki/Template_%28programming%29

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

Structured Query Language is used for _____

- ▶ **Databases Management (page 563)**
- ▶ Networks
- ▶ Writing Operating System
- ▶ none of the given options

Question No: 23 (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 (Page 460)**

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

The precedence of an operator can be changed through operator overloading.

- ▶ True
- ▶ **False (Page 372)**

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

A Matrix can be composed of ints, floats or doubles as their elements. Best way is to handle this ,

- ▶ Write a separate class to handle each
- ▶ **Use templates (Page 527)**
- ▶ Use strings to store all types
- ▶ None of the given options

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

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

▶ **True (page 332)**

▶ False

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

Pointer is a variable which store,

▶ Data

▶ **Memory Address (Page 267)**

▶ Data Type

▶ Values

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

All preprocessor directives are started with the symbol_____.

▶ *

▶ +

▶ @

▶ **# (Page 269)**

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

Within the statement `obj1=obj2;` *obj1* will call the assignment operator function and *obj2* will be passed as an argument to function.

▶ **True**

▶ False

Question No: 4 (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 (Page 414)**

Question No: 5 (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 (page 453)**

▶ False

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

To include code from the library in the program, such as `iostream`, a directive would be called up using this command.

▶ `#include "iostream.h"`

▶ `include <iostream.h>`

▶ `include <iostream.h>`

▶ **`#include <iostream.h>` (sure)**

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

The number 544.53 must be stored in _____ data type.

▶ int

▶ short

▶ **float (Sure)**

▶ char

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

A template function can have different type of arguments.

▶ **True (Page 503)**

▶ False

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

For which values of the integer `_value` will the following code becomes an infinite loop?

```
int number=1;
while (true) {
    cout << number;
    if (number == 3) break;
    number += integer_value; }
```

▶ any number other than 1 or 2

▶ **only 0**

▶ only 1

▶ only 2

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

Template class cannot have static variables.

▶ True

▶ **False**

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

Which of the following is used with bit manipulation?

- ▶ Signed integer
- ▶ **Un-signed integer (Page 245)**
- ▶ Signed double
- ▶ Un-signed double

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

Structure is a collection of _____ under a single name.

- ▶ Only Functions
- ▶ **Only Variables (Page 229)**
- ▶ Both Functions and Variables
- ▶ None of the given options

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

Which of the following is the correct C++ syntax to allocate space dynamically for an array of 10 int?

- ▶ new int(10) ;
- ▶ **new int[10] ;**
- ▶ int new(10) ;
- ▶ int new[10];

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

Unary operator implemented as member function takes _____ arguments whereas non-member function takes _____ arguments.

- ▶ One, zero
- ▶ **Zero, one**
- ▶ One, two
- ▶ Two, one

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

The first parameter of overloaded stream insertion operator is _____ where second parameter is _____

- ▶ input stream, object of class
- ▶ object of class, output stream
- ▶ **output stream, object of class**
- ▶ object of class, input stream

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

We can also do conditional compilation with preprocessor directives.

- ▶ **True (Page 272)**
- ▶ False

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

If a symbolic constant has been defined, it will be an error to define it again.

▶ **True (Page 273)**

▶ False

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

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

▶ **left to right. (Page 295)**

▶ right to left

▶ no specific order is followed

▶ none of the given options.

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

Classes defined inside other classes are called _____ classes

▶ looped

▶ **nested (Page 492)**

▶ overloaded

▶ none of the given options.

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

If we define an identifier with the statement `#define PI 3.1415926` then during the execution of the program the value of PI _____.

▶ cannot be replaced

▶ None of the given options

▶ **Remain constant. (Page 271)**

▶ can be changed by some operation

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

Assignment operator is -----associative.

▶ **right**

▶ left

▶ binary

▶ unary

<http://msdn.microsoft.com/en-us/library/ms173145.aspx>

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

If text is a pointer of class String then what is meant by the following statement?

`text = new String [5];`

▶ Creates an array of 5 string objects statically

▶ **creates an array of 5 string objects dynamically**

- ▶ Creates an array of pointers to string
- ▶ Creates a string Object

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

The return type of the operator function for << operator is _____.

▶ **class for which we overload operator**

- ▶ reference of ostream class (ostream&)
- ▶ reference of istream class (istream&)
- ▶ void

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

The code is written to _____ the program.

▶ **implement (Page 520)**

- ▶ design
- ▶ analysis
- ▶ none of the given options.

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

Memory allocated at run time is a system resource and it is the responsibility of _____ to de-allocate the memory.

▶ System

▶ **Programmer (Page 331)**

- ▶ User of program
- ▶ None of given options

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

Templates are not type safe.

▶ True

▶ **False (Page 518)**

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

*.doc is _____ by type.

▶ Sequential File

▶ **Random Access File**

- ▶ Data File
- ▶ Record File

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

Which of the following is NOT a preprocessor directive?

▶ #error

▶ #define

▶ #line

▶ #undef (Page 2727)

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

The return type of operator function must always be void.

▶ True

▶ False (Page 79)

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

What does (*this) represents?

▶ The current function of the class

▶ The current pointer of the class

▶ The current object of the class (Page 390)

▶ A value of the data member

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

The statement `cin.get ();` is used to,

▶ Read a string from keyboard

▶ Read a character from keyboard (Page 426)

▶ Read a string from file

▶ Read a character from file

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

When we do dynamic memory allocation in the constructor of a class, then it is necessary to provide a destructor.

▶ True (Page 479)

▶ False

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

Overloaded new operator function takes parameter of type `size_t` and returns

▶ void (nothing)

▶ void pointer (Page 415)

▶ object pointer

▶ int pointer

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 (Page 453)

▶ False

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

C++ is a case-sensitive language

▶ True (Page 68)

▶ False

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

To include code from the library in the program, such as `iostream`, a directive would be called up using this command.

▶ `#include "iostream.h"`

▶ `include <iostream.h>`

▶ `include <iostream.h>`

▶ **`#include <iostream.h>` (Sure)**

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

A template function must have only generic data types.

▶ True

▶ **False (Page 501)**

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

Template class can not have static variables.

▶ True

▶ **False**

Question No: 13 (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: 14 (Marks: 1) - Please choose one

What will be the correct syntax to access the value of fourth element of an array using pointer *ptr*?

▶ `ptr[3]`

▶ `(ptr+3)`

▶ `*(ptr+3)`

▶ **Both 1 and 3**

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

If most significant bit of un-signed number is 1 then it represents a positive number.

▶ True

▶ **False (Page 251)**

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

If there is a symbol (& sign) used with the variable name followed by data type then it refers to _____ and if & is being used with variable name then it refers to _____.

- ▶ Address of variable, reference variable
- ▶ Reference variable, value of variable
- ▶ **Reference variable, address of variable (Page 367)**
- ▶ Address of variable, value of variable

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

We can also do conditional compilation with preprocessor directives.

- ▶ **True (Page 272)**
- ▶ False

Question No: 18 (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 (Page 294)**
- ▶ none of the given options.

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

Classes defined inside other classes are called _____ classes

- ▶ looped
- ▶ **nested (Page 492)**
- ▶ overloaded
- ▶ none of the given options.

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

What purpose do classes serve?

- ▶ Data encapsulation
- ▶ Providing a convenient way of modeling real-world objects
- ▶ Simplifying code reuse
- ▶ **All of the given options**

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

Every class contains _____.

- ▶ Constructor
- ▶ Destructor
- ▶ **Both a constructor and a destructor (Lecture 27)**
- ▶ None of the given options

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

new operator is used to allocate memory from the free store during

- ▶ Compile Time
- ▶ **Run Time**
- ▶ Link Time
- ▶ None of the given options

Question No: 23 (Marks: 1) - Please choose one
When an object of a class is defined inside another class then,

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

Question No: 24 (Marks: 1) - Please choose one
It is possible to define a class within another class.

- ▶ **True (Page 492)**
- ▶ False

Question No: 25 (Marks: 1) - Please choose one
New and Delete are also used with _____ and data types as well.

- ▶ **Class, Objects (Page 342)**
- ▶ Structures, Pointers
- ▶ Both Class and structures
- ▶ None of above

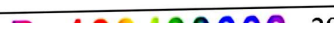
Question No: 26 (Marks: 1) - Please choose one
With New keyword, data types and class members are initialized with meaningful values instead of garbage.

- ▶ **True (Page 334)**
- ▶ False

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Question No: 1 (Marks: 1) - Please choose one
If it is required to copy an array to another array then,

- ▶ **Both arrays must be of the same size and data type (Page 105)**
- ▶ Both arrays may be of different size
- ▶ Both arrays may be of different data type
- ▶ Both arrays may be of different size and type



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

Dealing with structures and functions passing by reference is the most economical method

▶ True

▶ False

<http://mathbits.com/MathBits/CompSci/Structures/Functions.htm>

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

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

▶ True (Page 433)

▶ False

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

Overloaded new operator function takes parameter of type *size_t* and returns

▶ void (nothing)

▶ void pointer (Page 415)

▶ object pointer

▶ int pointer

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

When new operator is overloaded at global level then corresponding built-in new operator will not be visible to whole of the program.

▶ True (Page 413)

▶ False

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

If there is more than one statement in the block of a for loop, which of the following must be placed at the beginning and the ending of the loop block?

▶ parentheses ()

▶ braces { } (Page 37)

▶ brackets []

▶ arrows < >

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

The return type of a function that do not return any value must be _____

▶ float

▶ int

▶ void (Page 79)

▶ double

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

UNIX has been developed in _____ language.

- ▶ JAVA
- ▶ B
- ▶ **C (Page 12)**
- ▶ FORTRAN

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

Like member functions, _____ can also access the private data members of a class.

- ▶ Non-member functions
- ▶ **Friend functions (Page 346)**
- ▶ Any function outside class
- ▶ None of the given options

Question No: 10 (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. (Page 346)**

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

The operator function overloaded for an Assignment operator (=) must be

- ▶ Non-member function of class
- ▶ **Member function of class (Page 372)**
- ▶ Friend function of class
- ▶ None of the given options

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

The endl and flush are _____

- ▶ Functions
- ▶ Operators
- ▶ **Manipulators (Page 434)**
- ▶ Objects

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

If a symbolic constant has been defined, it will be an error to define it again.

- ▶ **True (Page 273) 15**
- ▶ False

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

The operator used for casting, in C, is standard _____ operator.

▶ none of the given options.

▶ **cast (Page 281)**

▶ cost

▶ const

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

Constructors can not be overloaded like ordinary functions.

▶ True

▶ **False (Page 323)**

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

Which of the following function call is correct for the function prototype?

defaultParameters (int a, int b = 7, char z = '*');

▶ **defaultParameters (5);**

▶ defaultParameters (5, '8');

▶ defaultParameters (6, '#');

▶ defaultParameters (0, 0, '*', 0);

Question No: 17 (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 (Page 371)**

▶ N arguments

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

We can not define a variable of user-defined data type in the class.

▶ True

▶ **False (Page 320)**

Question No: 19 (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 (Page 464)**

▶ Constructor of inner object will be called first

▶ Constructor and Destructor will be called simultaneously

▶ None of the given options

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

The appropriate data type to store the number of rows and columns of the matrix is _____.

- ▶ float
- ▶ **int (Not sure)**
- ▶ char
- ▶ none of the given options.

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

Class is a user defined _____.

- ▶ **data type (page 317)**
- ▶ memory referee
- ▶ value
- ▶ none of the given options.

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

A pointer variable can be,

- ▶ Decrement
- ▶ Increment
- ▶ Multiplied
- ▶ **Both Incremented and Decrement (Page 366)**

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

NULL value has been defined in _____ and _____ header files.

- ▶ strings.h and iostream.h
- ▶ ctype.h and conio.c
- ▶ conio.c and conio.h
- ▶ **stdlib.h and stddef.h (Page 281)**

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

A Matrix can be composed of ints, floats or doubles as their elements. Best way is to handle this ,

- ▶ Write a separate class to handle each
- ▶ **Use templates (Page 527)**
- ▶ Use strings to store all types
- ▶ None of the given options

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

"setprecision" manipulator will set