17) The normal source of cin object is_____.

a) File b) Disk

c) Ram **d) Keyboard**

18) A macro when takes arguments is called_____

a) Function b) procedure

c) Parameterized macro d) simple macro

19) Which is not a protection level provided by classes in C++>

a) Public b) Protected

c) Private **d) Hidden**

20) What should be the return type of the constructor?

a) void pointer b) same as object type

c) Int **d) constructor do not return any thing**

9) The static data members of a class can be accessed by_____.

a) only class
b) only objects
c) **both class and objects**
d) none

10) The static data members of a class are initialized_____

a) At file scope
b) within class definition
c) within member function
d) within main function

11) When a call to a user defined functions finishes ,the variable defined inside the function will_____.

a) still in existence
b) not exist further

12) What does STL stand for?

a) source template library
b) Standard template library
c) standard temporary library
d) Stream template library

13) The code is written to implement the program

a) design
b) implement
c) ananlysis
d) test

14) The appropriate data type to store the number of rows and colums of the matrix is_____.

a) float
b) int
c) strings
d) none

15) A class whose objects is contained as const objects, must have_____

a) Default constructor
b) **Parameterized constructor**

16) _____ data members of a contained onjects can be assessed from inside of the class

a) private
b) public
c) protected
d) All

5) The c language was developed in late 60's and early 70's in_____

a) Richard laboratories
b) **Bell laboarateries**
c) Microsoft Laborateries
d) IBM laborateries

6) Is a freiend function outside the class declares itself of the class. This may violate the concept of

a) Encapsulation and data accessing
b) Encapsulation and data hiding
C) friend member function of the class
d) none

7) a structure brings together a group of_____

a) same data type
b) Different data type

8) The static data members of a class are initialzed _____.

a) within class defination
b) At file scope
c) within member function
d) None

17) When memory of a program is allocated at run time then it is called___

a) Statoc memory allocation **b) Dynamic memory allocation**

c) Stack memory allocation d) virtual memory allocation

18) which of the following function cannot be overloaded?

a) Members function b) utility functions

c) Destuctor d) Constructor

19) Static variable which is defined in a function is initialized

a) Compile time b) Every time the function call

c) Run time **d) only once during its life time**

20) Static memory allocation is also known as_____?

a) Dynamic allocation **b) compile time allocation**

c) Random allocation d) run time allocation

1) In Flow chart, flow of controls is represented by _____.

a) Rectangle
b) Arrow
C)Circle
D) Diamond

2) The operators ++ and – are used to increment the value of a variable to_____.

a) 3
b)1
c) 2
d) 4

3) to assigned a value to a character type variable _____ are used around the value.

a) single quotes ' '
b) double quotes " "
c) paranthesis ( )
D) None

4) In year _____ c was approved as a standard language worlwide

a) 1970
b) 1989

17) When memory of a program is allocated at run time then it is called___

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c) Stack memory allocation d) virtual memory allocation

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c) Run time **d) only once during its life time**

20) Static memory allocation is also known as_____?

a) Dynamic allocation **b) compile time allocation**

c) Random allocation d) run time allocation

9) The operator overloaded for an assignment operator (=) must be.

a) non-member function of class b) members function of class

c) friend function d) none

10) The static data members of a class are initialized_____

a) At file scope b) within class definition

c) within member function d) within main function

11) We can do condition compilation with pre processor directives.

a) True b) False

12) A template function must have at least_____ or more arguments

a) one b) One

c) Three d) four

13) Stream insertion(<<) and extraction (>>) are always implemented as___function

a) Member function b) Non member

c) objects d) classes

5) Only operator compiler loads for users is

a) Delete operator
b) **Assignment operator**
c) New operator
d) None

6) Cerr and clog are the objects of stream class

a) True
b) False

7) Loader loads the executable code from main memory to hard disk

a) True
b) False

8) Pre processor directive functions before_____ phase

a) Compiler
b) Execution
c) Linking
d) None

14) Overloaded member operator function is always called by____

a) class

b) objects

c) compiler

d) none

15) Declaring structure does not mean that memory is allocated

a) False

b) **True**

16) Identifier is a name that can be given to variable, labels and functions

a) True

b) False

1) Operator System fals under the category of_____ types of software.

a) Application software
b) System software
C)Device drivers
D) None

2) We can change the number of operads through operator overloading.

a) True
b)False

3) A Friend Function of a class has access

a) to all data member and function of the class
b) only to other friend functions of the class
c) only to private data of the class
D) None

4) Setprecision is a parameter less manipulator.

a) True
b) False

17) The return type of a function that do not return any valyue.

a) float **b) void**

c) int d) double

18) Like member function _____can also access the private data members of a class?

a) Non-member function **b) friend function**

c) Any function outside the class d) none

19) eof( ),bad( ), good( ), Clear( ) all are manipulator?

a) **True** b) False

20) Constructors can not be overloaded like ordinary functions

a) true b) false

14) Class is a user defined _____.

a) **Data type**
b) Memory refree
c) Value
d) none

15)Dealing with structures and function passing by refrence is the most economical method?;

a) True
b) False

16) A pointer is a special variable that contain

a) Data type
b) Memory Adress
c) Both
d) None

9) The default value of a parameter can be provided inside the .

a) function prototype b) function defination

c) both d) none

10) Symbolic constant has been defined, it will be an error to define it again

a) True b) False

11) Classes defined inside other classes are called _____called.

a) nested b) looped

c) overloaded d) None

12) What purpose do classes serve? .

a) Data encapsulation b) simplifying code reuse

c) provised a convenient way of modeling ral world objects

d) All of the give

13) With new keyword, data types and class members are initialized with meaningful values instead of garbage .

a) true b) false

1) The statement cin.get(); is used to .

a) read a character from keyboard b) read a string from file

C)read a character from file D) None

2) Overloaded new operator function takes parameter of type size-t.

a) void(nothing) b) void pointer

c) object pointer d) int pointer

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

a) #include "iostream" b) #include<iostream.h>

c) include iostream D) include<iostream.h

4) C++ is a case sensitive language.

a) True b) False

5) Template class can not have static variables.

a)True

b) False

6) Which of the following data type can operate on modulus operator %?

a) Float

b) Double

C) int

d) Char

7) We can do conditional compilation with preprocessor directives

a) True

b) False

8) If most signnifcant bit of un-signed number is 1 then it represent is 1 then It represtents a positve number.

a) True

b) False

1) The statement cin.get(); is used to .

a) read a character from keyboard b) read a string from file

C)read a character from file D) None

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4) C++ is a case sensitive language.

a) True b) False

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17) Templates are not type safe?

a) True **b) false**

18) In if structure the block of statement is executed when ?

a) Condition not true **b) condition are true**

19) Header files fstream.h includes the defination of the stream classes___

a) Cout,cin b) ifstream,fstream,cout

c) Fstream,cin,cout **d) ifstream,fstream,ofstream**

20) Flush and endl are manipulators?

a) True b) false

21) The return type of operator function must always be void

a) Friend function of the class b) Public member function of the class

c) private member function of the class d) none

17) Templates are not type safe?

a) True b) false

18) In if structure the block of statement is executed when ?

a) Condition not true b) condition are true

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a) True b) false

21) The return type of operator function must always be void

a) Friend function of the class b) Public member function of the class

c) private member function of the class d) none

14) Assignment operator is _____ Associative.

a) **Right** b) left

c) Binary d) Unary

15)if we define an identifier with the statement #define PI 3.1415 then during the execution of the program the value of PI are ?

a) Can not be replaces **b) Remain constant**

c) Replace the value d) can be changed by some operation

16) Which of the following function do not initialize the chunk of memory to all zero?

a) Calloc function **b) Malloc function**

c) Both d) None

9) What will be the value of 'a' and 'b' after executing the program

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

a) 4,3 b) 3,3

c) 3,4 d) 4,4

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

a) Debugger b) Editor

c) Linker d) Compiler

11) Every class contains_____.

a) Constructor b) Destructor

c) Both d) None

12) New and delete are____ Wherea malloc and free are___

a) operators,functions b) Classes,operators

c) operators,functions d) function, operators

13) Stream insertion mean and stream extraction operators are already overloaded for_____

a) User-defined Data type b) Built-in-Data type

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

a) True b) False

6) C is widely known as development language of____ operating system

a) linux b) Windows

C) unix d) Mac OS

7) Computer can understand only machine language code?

a) True b) False

8) We can not define a function as a friend of a template class

a) True **b) False**

1) How many bytes will the pointer intPtr of type int move in the intPtr+=3

a) 12 bytes b) 6 bytes

C) 24 bytes D) None

2) Refrence value type data the code is written to_____the program

a) design **b) Implement**

c) analysis d) none

3) When a value is refrred by a normal variable then it is known as

a) indirect reference **b) Direct Refrence**

c) Pratial reference D) proper reference

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

a) **True** b) False

17) Operator Overloading can be performed through.

a) Classes
b) Function
c) Operators
d) Refrence

18) Which of the Following function is used to increase the size of already allocated memory chunk?

a) Malloc
b) Calloc
c) Realloc
d) Free

19) Which of the Following is not a Preprocessor Directice?

a) #error
b) #define
c) #line
d) #ndefine

20) The Stream Objects cin and cout are included in which header file?

a) fstream.h
b) Istream.h
c) Iostream .h
d) ostream.h

17) Operator Overloading can be performed through.

a) Classes
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c) #line
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20) The Stream Objects cin and cout are included in which header file?

a) fstream.h
b) Istream.h
c) Iostream .h
d) ostream.h

14) Class is a user defined _____.

a) **Data type**
b) Memory refree
c) Value
d) none

15) Which of the following is the correct c++ syntax to allocate space Dynamically for an array of 10 int?

a) New int (10);
b) new int [10];
c) Int new (10);
d) int new[10];

16) A pointer is a special variable that contain

a) Data type
b) Memory Adress
c) Both
d) None

9) Keyword ___ is used to return some value from a function.

a) return b) break

c) Continue d) goto

10) Symbolic constant has been defined, it will be an error to define it again>

a) True b) False

11) Every class contains_____.

a) Constructor b) Destructor

c) Both d) None

12) Assignment operator is_____ Associative.

a) Right b) Left

c) Binary d) Unary

13) Can not define a variable of user- Defined Data type in the class.

a) true b) false

5) Deleting an Array of objects without specifying{} brackets may lead to memory leak

a) True

b) False

6) Which of the following data type can operate on modulus operator %?

a) Float

b) Double

C) int

d) Char

7) When an operator function is define as member function then operand on the left side of operator must be an object

a) True

b) False

8) Break statement can be used outside a loop or switch statement

a) True

b) False

1) Access the Data Members of Structure ___ is used.

a) Dot Operator
b) *operator
C)& operator
D) None

2) When an operator Function is Define as member for a unary operator then the number of argument it take are.

a) Zero
b) one
c) Two
d) N Argument

3) Friend Function of a class is

a) Member Function
b) Non-Member Function
c) Private Function
D) None

4) Can also create a Array with user Define Data type.

a) True
b) False