

CS201 Final Term Papers By Waqar (File 3)

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

In Flow Chart, flow of control is represented by _____.

Answer (Please select your correct option) **VuAnswers.com**

- Rectangle
 - Circle
 - Diamond
 - Arrow
- correct** *Made by: Waqar Siddhu*

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

In Flow Chart, flow of control is represented by _____.

Answer (Please select your correct option) **VuAnswers.com**

- Rectangle
 - Circle
 - Diamond
 - Arrow
- Made by: Waqar Siddhu*

Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

The operators ++ and -- are used to increment or decrement the value of a variable by _____.

Answer (Please select your correct option) **VuAnswers.com**

- 3
 - 2
 - 1
 - 4
- correct** *Made by: Waqar Siddhu*

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

To assigned a value to a character type variable, _____ are used around the value.

Answer (Please select your correct option)

VuAnswers.com

parenthesis ()

single quotes ''

correct

double quotes ""

curly braces { }

Made by: Waqar Siddhu

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following syntax will be used to initialize an array of size 5 of int data type to value 0?

Answer (Please select your correct option)

VuAnswers.com

arr[5] = {0} ;

int arr[5]= 0 ;

int arr[5] = {0} ;

correct

int arr[] = 0 ;

Made by: Waqar Siddhu

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Let ptr1 and ptr2 are pointer variables that points to integer data types then which one of the following arithmetic is allowed?

Answer (Please select your correct option)

VuAnswers.com

ptr1 + ptr2

ptr1 - ptr2

correct

ptr1 * ptr2

ptr1 / ptr2

Made by: Waqar Siddhu

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

When an argument is passed by reference, _____

Answer (Please select your correct option)

VuAnswers.com

- the function cannot access the argument's value.
- a variable is created in the function to hold the argument's value.
- a temporary variable is created in the calling program to hold the argument's value.
- the function accesses the argument's original value in the calling program.

Made by: Waqar Siddhu

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

In year _____, C was approved as a standard language worldwide.

Answer (Please select your correct option)

VuAnswers.com

- 1988
- 1967
- 1989
- 1986

correct

Made by: Waqar Siddhu

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

The C language was developed in late 60's and early 70's, in _____.

Answer (Please select your correct option)

VuAnswers.com

- Richards Laboratories
- Microsot Laboratories
- Bell Laboratories
- IBM Laboratories

correct

Made by: Waqar Siddhu

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

If a friend function outside the class declares itself friend of the class, this may violate the concept of _____.

Answer (Please select your correct option)

VuAnswers.com

Encapsulation and data accessing

Encapsulation and data hiding

correct

Friend member functions of the class

Interface of the class

Made by: Waqar Siddhu

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

A structure brings together a group of _____.

Answer (Please select your correct option)

VuAnswers.com

same data type

different data types

correct

constants

both a, b

Made by: Waqar Siddhu

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

The member functions of a class occupy _____ region in memory for _____ object(s) of class.

Answer (Please select your correct option)

VuAnswers.com

separate, each

common, all

correct

different, each

different, all

Made by: Waqar Siddhu

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

The static data members of a class are initialized _____.

- at file scope
- within class definition
- within member function.
- within main function

correct

VuAnswers.com

Made by: Waqar Siddhu

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

The static data members of a class can be accessed by _____.

- only class
- only objects
- both class and objects
- function out side the class

correct

VuAnswers.com

Made by: Waqar Siddhu

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Static variable which is defined in a function is initialized _____.

- Every time the function call
- Only once during its life time
- For many times in the program
- Compile time of the program

correct

VuAnswers.com

Made by: Waqar Siddhu

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

When a variable is defined as static in a class then _____.

Answer (Please select your correct option)

VuAnswers.com

Separate copy of this variable is created for each object

Only one copy is created for all objects of this class

correct

A copy of this variable is created for only static objects

No copy is created for the objects of that class

Made by: Waqar Siddhu

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

When a call to a user-defined function finishes, the variable defined inside the function will _____.

Answer (Please select your correct option)

VuAnswers.com

still in existence

not exist further

correct

finish but a copy will remain in memory

become static for other functions

Made by: Waqar Siddhu

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

What does STL stand for?

Answer (Please select your correct option)

VuAnswers.com

Source template library

Standard template library

correct

Stream template library

Standard temporary library

Made by: Waqar Siddhu

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

The code is written to _____ the program.

Answer (Please select your correct option)

VuAnswers.com

implement

correct

design

analysis

test

Made by: Waqar Siddhu

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

VuAnswers.com

float

strings

int

correct

char

Made by: Waqar Siddhu

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

A class whose object is contained as const object, must have _____.

Answer (Please select your correct option)

VuAnswers.com

Getter/Setter Functions

Default Constructor

Parameterized Constructor

correct

Operator Overloading Functions

Made by: Waqar Siddhu

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ data members of a contained object can be accessed from inside of the containing class.

Answer (Please select your correct option)

VuAnswers.com

Private

Public

Protected

All

correct

Made by: Waqar Siddhu

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

The initializer list is used to initialize the contained objects of a class at _____.

Answer (Please select your correct option)

VuAnswers.com

Run time

Debugging time

Construction time

Compile time

correct

Made by: Waqar Siddhu

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

The normal source of cin object is _____.

Answer (Please select your correct option)

VuAnswers.com

File

Disk

Keyboard

RAM

correct

Made by: Waqar Siddhu

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

We can use cin.peek() function to _____.

Answer (Please select your correct option)

VuAnswers.com

See the next character that we are going to get.

correct

Get to the end of the input buffer.

See the first character of input buffer.

See the last character of the current input word.

Made by: Waqar Siddhu

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

When an object of a class is defined inside another class then _____.

Answer (Please select your correct option)

VuAnswers.com

Destructor of enclosing class will be called first

correct

Destructor of inner object will be called first

Constructor and Destructor will be called simultaneously

Only destructor will be called

Made by: Waqar Siddhu

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

The order of destruction of an object is _____.

Answer (Please select your correct option)

VuAnswers.com

same as the construction order.

reverse as the construction order.

correct

independent of the construction order.

same as the order of objects declared.

Made by: Waqar Siddhu

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

A macro when takes arguments is called _____.

- function
- procedure
- parameterized macro
- simple macro

VuAnswers.com

correct

Made by: Waqar Siddhu

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Which is NOT a protection level provided by classes in C++?

- protected
- hidden
- private
- public

VuAnswers.com

correct

Made by: Waqar Siddhu

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

What should be the return type of the constructor?

- void pointer
- int
- same as object type
- constructors do not return any thing

VuAnswers.com

correct

Made by: Waqar Siddhu

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following function call is correct for the function prototype?
defaultParameters (int a, int b = 7, char z = '*');

Answer (Please select your correct option)

VuAnswers.com

defaultParameters (5);

correct

defaultParameters (5, '8');

defaultParameters (6, '#');

defaultParameters (0, 0, '*', 0);

Made by: Waqar Siddhu

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following function cannot be overloaded?

Answer (Please select your correct option)

VuAnswers.com

Member functions

Utility functions

Constructor

Destructor

correct

Made by: Waqar Siddhu

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Users must not know about _____.

Answer (Please select your correct option)

VuAnswers.com

Methods functionality with in class

correct

Objects of class

Functions name within class

Class implementation of functionality and interfaces

Made by: Waqar Siddhu

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

new and delete are also used with _____ and primitive data types as well.

Answer (Please select your correct option)

VuAnswers.com

- loops
- structures, pointers
- classes , structures
- constant

correct

Made by: Waqar Siddhu

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

VuAnswers.com

- Logic expression
- Value of variable
- Reference variable
- Address of variable

correct

Made by: Waqar Siddhu

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following code segment.

```
class M {  
public:  
M &operator+(const M &);  
...
```

Answer (Please select your correct option)

VuAnswers.com

- Member function
- Non-member function
- Friend function
- Virtual function

correct

Made by: Waqar Siddhu

Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

Sequence of event(s) when deallocating memory using delete operator is _____.

Answer (Please select your correct option) VuAnswers.com

- 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
- correct**
- Made by: Waqar Siddhu**

Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

```
M &operator+(const M &),  
...  
};  
p + q //code of line implies that p.operator+(q)  
...
```

Answer (Please select your correct option) VuAnswers.com

- Member function
 - Non-member function
 - Friend function
 - Virtual function
- Made by: Waqar Siddhu**

Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

```
M &operator+(const M &),  
...  
};  
p + q //code of line implies that p.operator+(q)  
...  
Let assume if p and q are class objects then function is implemented as _____.
```

Answer (Please select your correct option) VuAnswers.com

- Member function
 - Non-member function
 - Friend function
 - Virtual function
- Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Sequence of event(s) when deallocating memory using delete operator is _____.

Answer (Please select your correct option)

VuAnswers.com

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- Destructor is called first before deallocating memory

Made by: Waqar Siddhu

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

What will be the correct syntax of declaration of the following statement?
ptr is a pointer to const int.

Answer (Please select your correct option)

VuAnswers.com

- const int *ptr;
- int* const ptr;
- int const *ptr;
- const *int ptr;

correct

Made by: Waqar Siddhu

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

A constructor has the same name as that of _____.

Answer (Please select your correct option)

VuAnswers.com

- Variable
- Class
- Structure
- Function

correct

Made by: Waqar Siddhu

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Whenever new operator is called to create an object, the _____ is also called for that object.

Answer (Please select your correct option)

VuAnswers.com

Constructor

correct

Destructor

Pointer

Array

Made by: Waqar Siddhu

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

The destructor for all the objects in the program is automatically called when _____.

Answer (Please select your correct option)

VuAnswers.com

Memory is dynamically allocated to objects

Objects are used inside functions

Array of objects is declared

Program is terminated

correct

Made by: Waqar Siddhu

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

What will be the value of the given expression after evaluation if $x = 3$ and $y = 2$?

$(++x*++y).2$

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Friendship in classes/functions is granted or taken ? How it is granted or taken ?

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Rich text editor toolbar with options for font (Normal, Arial), size (12), bold (B), italic (I), underline (U), bulleted list, numbered list, link, unlink, and a 100% zoom level. The editor area is currently empty.

Made by: Waqar Siddhu

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Write a C/C++ statement to print a floating point number 1.234 in a 9-digit field with preceding zeros.

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Rich text editor toolbar with options for font (Normal, Arial), size (12), bold (B), italic (I), underline (U), bulleted list, numbered list, link, unlink, and a 100% zoom level. The editor area is currently empty.

Made by: Waqar Siddhu

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Write down the meaning of given below line of code, where m is an object of class Matrix

```
if( &m != this)
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Rich text editor toolbar with options for font (Normal, Arial), size (12), bold (B), italic (I), underline (U), bulleted list, numbered list, link, unlink, and a 100% zoom level. The editor area is currently empty.

Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

What will be the output of given program code?

```
main()
{
  char province[] = "Sindh";
  char s[80];
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
strcpy(s, "Hyderabad");
strcat(s, " and ");
strcat(s, province);
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
cout << s;
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

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Made by: Waqar Siddhu


Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Identify and correct the error in the given code segment.
main()
{
 int val = 30;
 int &ref = val;

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

```
int val = 30;  
int &ref = val;  
  
&ref = &ref++;  
}
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a simple program which uses the getline() member function of cin object for reading a string of 30 characters from the keyboard as long as the user presses ENTER key and display the result.

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu


Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Given lines of code are three important functions of a class Matrix, describe each in one line
Matrix(int=0, int=0);
Matrix(const Matrix &);
~Matrix();

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Write a program that defines a Template function named Square () which finds the square of a number and then return it. Define one variable of type **double** in main function and then call Square function on that.

Program output should look like this:

Enter a double value to find its Square: 235.3

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Program output should look like this:

Enter a double value to find its Square: 235.3

Square of double number is: 55366.1

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

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Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Convert the following switch statement code into if statements.

```
switch (operator) {  
case '+':  
    result = op1 + op2;  
    break;
```

VuAnswers.com

Answer (Please [click here](#) to Add Answer)

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

```
break;  
case '-':  
    result = op1 - op2;  
    break;  
case 'x':  
case '*':
```

VuAnswers.com

Answer (Please [click here](#) to Add Answer)

Normal Arial 12 B I U

Made by: Waqar Siddhu

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

```
case 'x':  
case '*':  
    result = op1 * op2;  
    break;  
case '/':  
    result = operand1 / operand2;
```

VuAnswers.com

Answer (Please [click here](#) to Add Answer)

Normal Arial 12 B I U

Made by: Waqar Siddhu

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Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

```
case 7:  
    result = operand1 / operand2;  
    break;  
default:  
    cout << "Unknown operator";  
}
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

```
    result = operand1 / operand2;  
    break;  
default:  
    cout << "Unknown operator";  
}
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

Given is the code for the class myClass.

```
class myClass  
{  
private:  
    int x ;
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

```
int x ;
int y,

public:
myClass()
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

```
myClass()
{
x = 0;
y = 0;
}
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

```
)
};

You are required to write the code to perform the following task in the main() function.
```

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 51 of 52


Marks: 5 (Budgeted Time 10 Min)

You are required to write the code to perform the following task in the main() function.

- Prompt the user to enter the number of objects to be created
- Dynamically allocate memory to objects according to the size entered by user.
- De-allocate memory that was allocated to objects.

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)


Write a small program which defines a user define manipulator named star, this manipulator should display the output separated by four stars.

For example the output of the program should look like this

Virtual****University

Answer (Please [click here](#) to Add Answer)

VuAnswers.com



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