CS-201 Introduction To Programming
Update MCQS For Mid Term
Solve By Vu Topper RM

85% To 100% Marks

Which header file is required to use file I/O operations?
A. <iostream>
B. <ostream>
C. <fstream>
D. <fstream>

What will be the correct syntax of declaration of the following statement?
"ptr is a pointer to a constant int"
   A. int * const ptr
   B. int const* ptr
   C. const* int ptr
   D. const int *ptr

A _____ is an array of characters that can store a number of characters specified.
   A. Data type
   B. Multidimensional array
   C. String
   D. Char

_____ allow us to have a memory location and use it as int or char interchangeably
A. union
B. construct
C. structures
D. None of the given

Following is the declaration of a 2D array, how many rows are declared for this array.
A. 32
B. 3
C. 23

D. 2

the sizeof operator is used to determine the size of _____.
A. None of the given
B. variable
C. data
D. data type

How many elements are stored in the following?
A. 10
B. 9
C. 25
D. 20

Which mode of file is used to open a file or stream for insertion?
A. out
B. in
C. ate
D. app

What is the correct syntax to declare an array of 15 elements of type float?
A. float array[14];
B. float array[15];
C. float[15] array;
D. float [15]array;

To access the data members of structure, _____ is used.
Dot operator

These functions seekg() and seekp() requires an argument of type _____to determine that how many bytes to be move forward or backward.
A. int

B. short
C. long
D. double

By writing aFile.seekg(15L, ios::cur) we are moving _____.
A. 15 bytes in the backward direction starting from the current position
B. 15 bits in the backward direction starting from the current position
C. 15 bits in the backward direction starting from the previous position
D. 15 bytes in the forward direction starting from the current position

In two-dimensional array, we use _____ 'for loop(s)' to populate the array.
A. 1
B. 2
C. 3
D. 4

Individual characters in a string stored in an array can be accessed directly using array _____.
A. superscript
B. script
C. subscript
D. value

Which header file must be included to use the functions tolower() and toupper()?
ctype.h

What will be the result of the expression k = ++m; if initially k = 0 and m = 5?
A.0
B. 4
C. 5

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D. 6

We comment the code, because it makes program
_____ .
A. Difficult to compile
B. Easy to understand
C. Complex to understand
D. Heavy i.e. more space is needed for executable

Which one of the following is not a skill that we learn by designing programs?
A. Hardware performance knowledge
B. Critical reading
C. Creative synthesis
D. Analytical thinking

When the if statement consists of more than one statement then enclosing these statement in braces is _____.
A. Not required
B. Optional
C. Compulsory
D. Relevant

What will be the result of the expression j = i++;if initially j = 0 and i = 5?
A. 0
B. 4
C. 5
D. 6

When a = 26; then the expression a % = 5; will calculate the value of a as,
A. 0
B. 1

C. 5

D. 3

We use _____ to control our program while it is running.

A. Debugger

B. Loader

C. Compiler

D. Linker

When the break statement is encountered in a loop's body, it transfers the control _____from the current loop.

A. To break statement

B. Inside

C. Outside

D. To continue statement

In the given expression which operator will be evaluated first? 10 + (6 / 2) – 2 * 3?

A. /

B. *

C. -

D. +

" = " operator is used for _____ .

A. Assigning value

B. Check equality

C. Calculating value

D. Reading value

To perform repetition tasks for a known number of repetitions, most often used structure is _____.

A. None of the above

B. For structure

C. Do-while structure

D. While structure

What will be the value of 'a' and 'b' after executing the following statements? int a = 9;int b = a++;cout<<a<<","<<b;
A. 9,10
B. 10,10
C. 9,9
D. 10,9

What is the output of the following code?
for (int i = 5; i <= 5; i++) { cout << i++; cout << i;}
A. 65
B. 56
C. 55
D. 13

Which of the following is not a valid variable name in C++?
A. nameOfStudent
B. @studentName
C. _studentName
D. NameOfStudent

Which of the following is one of the main categories of software?
A. Device drivers
B. Operating system
C. Utilities
D. System Software

The_____ is an unconditional branch of execution.
A. Goto statement
B. Continue statement
C. Default statement
D. Switch statement

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In an n-dimensional array, we use _____ 'for loop(s)' to populate the array.
   A. n
   B. n+2
   C. n+1
   D. n-1

What will be the correct syntax for declaration of the following statement?"ptr is a constant pointer to an integer"
   A. const int *myptr;
   B. int const *ptr;
   C. const * int myptr;
   D. int *const ptr ;

'\0' takes _____ space in the memory.
   A. 8 Bytes
   B. 4 Bytes
   C. 2 Bytes
   D. 1 Bytes

What will be the output of the following C++ code?{ char str1[6] = "Hello"; char str3[5]; strcpy(str3, str1); cout <<strlen(str3) ; }
   A. 6
   B. 8
   C. 7
   D. 5

For the following statement, how much memory will be allocated to myarray[1]?char * myarray[] = {"Arif", "Sadia"};
   A. 7 Bytes
   B. 6 Bytes
   C. 5 Bytes
   D. 4 Bytes

ifstream inFile; refers _____.
   A. object for editing in a file
   B. object for reading from a file
   C. object for writing to a file
   D. deleting a file

Character strings are terminated by _____.
   A. \0
   B. \o
   C. \n
   D. \t

Which of the following is true about streams? A.It is a sequence of bytes B.It is an ordered sequence C.All bytes can go through the stream simultaneously D.Bytes that enters first into the stream will go out at last
   A. A and D
   B. A and B
   C. A only
   D. C only

The value of a pointer can be _____.
   A. address of a variable
   B. name of the variable
   C. value of the variable
   D. none of the given options

What is output of following code?int data[10] = {10,20,30,40,50,60,70,80,90,100};int *xptr = &data[4];int *yptr = &data[6];cout<<xptr + yptr++;
   A. Syntax error
   B. 110
   C. 120
   D. 130

When an identifier is declared with keyword const then,
- A. Its value can be changed with arithmetic operator
- B. Its value can be changed during execution.
- **C. Its value cannot be changed**
- D. Its value can be overwritten

We can read, write and manipulate the same file using _____.
- A. iomanip.h
- **B. fstream.h**
- C. iostream.h
- D. stdio.h

The parameter passed to isdigit() function is _____variable.
- A. Boolean
- **B. Character**
- C. Float
- D. Double

Following is an array of _____ rows and _____ columns. int num[3][4];
- **A. 3,4**
- B. 4,5
- C. 2,3
- D. 4,3

Strings are accessed by variable of type _____.
- A. int
- **B. char**
- C. float
- D. double

A string which is assigned to a string variable is terminated by _____.

A. Colon
B. Null character
C. Boolean expression
D. Semicolon

Ifstream is used for_____
A. Input file stream
B. All of the given
C. Output file stream
D. Input and output file stream

In Analysis, we try to have a_____.
A. Mixture of multiple problems
B. Precise problem statement
C. Determined the inputs
D. Break up of problem

What will be the output of the following code snippet?char dest[50] = "Using strncat function,";char src[50] = " this part is added and this is ignored";strncat(dest, src, 19); cout << dest ;
A. Using strncat function, and this is ignored
B. Using strncat function, this part is added
C. Using strncat function,this part
D. Using strncat function, this part is added and this is ignored

If j=10 and x = ++j, then the value of x will be _____.
A. 10
B. 11
C. 12
D. 9

_____ operator is used to pass the address of a variable in call by reference method.

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A. &
B. @
C. %
D. +

For breaking complex problems into smaller pieces we use _____.
   A. Loops
   B. Break statement
   C. if/else
   D. function   **ok**

If a function has not been declared before its definition, it is a ----------.
   A. Late binding error
   B. run time error
   C. logical error
   D. syntax error

For the given function prototype, which of the given function calls is appropriate/correct.float add(int);
   A. **add(int x);**
   B. add(&x);
   C. add(x);
   D. add(*x);

In if structure the block of statements executes when the condition is _____.
   A. True
   B. False
   C. Contains arithmetic operator
   D. Contains logical operator

When No. of repetition is known then we use the _____ structure to perform repetition tasks.
   A. Do while loop

B. For loop
C. While loop
D. Switch

Compiler translates high level language program into _____ language code.
A. C
B. C#
C. Java
D. Machine

First step in designing a program is _____.
A. linking
B. compling
C. coding
D. analysis   ok

x+=2 means
A. x = x + x
B. x = 2 + 2
C. x = x + 2
D. x + 2 = 2

&& is a _____ operator.
A. Arithmetic
B. Mathematical
C. Relational
D. Logical

Modulus operator (%) is only used with _____ type of operands.
A. float
B. double
C. char

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D. int

" < " and " > " both are _____ operators.
   A. Logical
   B. Mathematical
   C. **Relational**
   D. Arithmetic

Which step is not performed during a proper program design?
   A. **Write details about the performance of program**
   B. Formulate statements and comments in a precise language
   C. Pay attention to detail
   D. Analyze a problem statement, typically expressed as a word
      problem

Find the syntax error in the following piece of code? if (x > y);
cout<<" x is greater than y "; else cout<<"y is greater than x";
   A. Condition in the if statement is wrong
   B. No error in the code
   C. Braces not given for if and else blocks
   D. **Semicolon should not be after the if statement**

The result of 4 % 3 will be
   A. **1**
   B. 1.5
   C. 2
   D. 1.33

What will be the output of the following program?void car() {cout <<
"Honda";}int main() {Car();}
   A. Car
   B. **Syntax Error**   ok
   C. Honda car
   D. Honda

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Loops are _____ Structure
   A. Decision
   B. Repetition
   C. Sequential
   D. None of the given options

While programming, how many skills should a programmer focus on?
   A. 2
   B. 5
   C. 4
   D. 3

If int a = 50; then the value of a/= 3; will be,
   A. 17
   B. 16
   C. 15
   D. 18

What will be the output of the following while loop?int counter = 0 ;while(counter < 15)cout << counter << " ";counter++;
   A. 1 2 3 4 5
   B. Infinite loop
   C. Compile time error
   D. 1 2 3 4

The ASCII code of null character is_____.
   A. 000
   B. 111
   C. 010
   D. 110

What will be the output of following code segment?for (int i = 2; i<10; i++){ if (i == 5) continue; cout << i << "," ;}

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A. 4,6,7,8,9,
B. 2,3,4,
C. 2,3,7,8,9,
D. 2,3,4,6,7,8,9

Telling a computer what to do, is called _____.
A. Designing
B. Compiling
C. Implementing
D. Programming   **ok**

A while loop may execute _____or more times.
A. 0   **ok**
B. 1
C. 2
D. 3

Which of the following is not the subcategory of the system software?
A. Utilities
B. **Application software**
C. Device drivers
D. Operating system

What is the output of the following code if the 2nd case is true switch
(var){case 'a':cout<<"apple"<<endl;case
'b':cout<<"banana"<<endl;case
'm':cout<<"mango"<<endl;default:cout<<"any fruit"<<endl;}
A. none of the above   **ok**
B. banana mangoany fruit
C. bananaany fruit
D. banana

In C/C++, a variable's name can start with the symbol _____.
A. + Plus

<div dir="rtl">

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</div>

B. ; Semicolon
C. _ **Underscore**
D. : Colon

_____ Loop executes atleast one times.
A. For
B. Inner
C. While
D. Do while

X is an integer variable; what does X++ means,
A. None of these
B. Add 2 in X value
C. Add 1 in X value   ok
D. Add 1 two times in X value

Learning to program is important because it develops _____ and _____ abilities.
A. Analytical, Problem solving   ok
B. Reading, Problem solving
C. Reading, Writing
D. Analytical, Writing

Switch statement can be used in place of _____ statement.
A. Multiple if
B. continue
C. go to
D. break

What will be the result of arithmetic expression 5+25/5*5?
A. 45
B. 6
C. 9
D. 30

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Why we use "cout"?
   A. **To display output on the console screen**
   B. None of the given options
   C. To read data from keyboard
   D. To send data to printer

A repetition statement specifies that an action is to be continued while some_____ remains true.
   A. Control
   B. Operator
   C. **Condition**
   D. Assignment

If we pass more than one arguments to a function then they are separated by _____.
   A. Colon :
   B. **Comma ,**
   C. Semicolon ;
   D. Double quotes "

In C++, what will be the highest index of the following array?int array[15];
   A. 13
   B. **14**
   C. 15
   D. 16

Which of the following is the right syntax to declare a variable in C++?
   A. **DataType VariableName;**
   B. VariableName Datatype;
   C. DataType = VariableName;
   D. (DataType) VariableName;

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What will be the resultant value of this expression x = 17 % 3 ?
    A. 3
    B. 4
    C. 1
    D. 2

The most suitable data type for number 325.25 is _____.
    A. char
    B. float   ok
    C. int
    D. short

Switch support_____ data
    A. Int
    B. Char
    C. Float
    D. Both integer and character

_____ are used to translate the code of our program into machine language.
    A. Editors
    B. Debuggers
    C. Linkers
    D. Compilers

If y = 20 and z = y++, then the value of z will be _____.
    A. 20
    B. 19
    C. 22
    D. 21

!(x > 3) means in C++ that
    A. x is equal to 3
    B. x is less than 3   ok

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C. x is greater than 3
D. x is less than or equal to 3

Continue statement usually forces the immediate _____ iteration of the loop.
A. Previous
B. Next   **ok**
C. first
D. last

C++ is a_____ language.
A. Low level
B. High level
C. Machine
D. Assembly language

What will be output of the following code segment?int value = 1;switch (value+value){case 1 :cout << "Punjab " ;break;case 2 :cout << "Lahore" ;break;default :cout << "Pakistan" ; }
A. Lahore   **ok**
B. punjab
C. pakistan
D. Syntax error

Comments are written to explain the _____ of programs.
A. Reliability
B. Performance
C. Functionality   **ok**
D. Consistency

What will be the correct output for the given program?int num = 1;switch (){case 1 :cout << "15 " ;break;default :cout << "20" ;}
A. 15
B. 15,20

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C. 20

D. Error   ok

Which of the following is the correct way to write a compound assignment operator?

    A. x += 4;
    B. x + == 4;
    C. x + = 4;
    D. None of the above

What will be the size of the following character array?char name[] = "Adeel"

    A. 2
    B. 5
    C. 6
    D. 8

A string in C is

    A. 2-D Array of character
    B. **1-D Array of character**
    C. 2-D Array of integer
    D. 1-D array of integer

_____ will be used for clarity and to force the order of evaluation in an expression.

    A. " "
    B. ' '
    C. [ ]
    D. ( )

if (a>b && a>c) then the condition will be true only if

    A. a>b is true and a>c is false
    B. Both a>b and a>c are false
    C. **Both a>b and a>c are true**

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D. a>b is false and a>c is true

_____ of a variable means the locations within a program from where it can be accessed.
   A. value
   B. data type
   C. Visibility
   D. Reference

In switch statement there can be _____ default statement(s).
   A. 1
   B. 2
   C. 3
   D. 4

To manipulate n-dimensional array, _____ nested loops are required.
   A. n-2
   B. n
   C. n-1
   D. n+1

Which of the following loops checks the test condition at the end of the loop?
   A. For
   B. While
   C. Do-While
   D. Nested Loop

Which one of the following languages has been used to write the compiler of "C" language?
   A. fortran
   B. java
   C. basic

D. C

Question No:1 (Marks:1) **Vu-Topper RM**
To read command line argument the main() function itself must be given—

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

Question No:2 (Marks:1) **Vu-Topper RM**
eof is used to check for the _____ of file when a file is being read.

   A. Start
   B. End
   C. Middle
   D. Name

Question No:3 (Marks:1) **Vu-Topper RM**
The ASCHI code of null character is _____.

   A. 000
   B. 010
   C. 111
   D. 110

Question No:4 (Marks:1) **Vu-Topper RM**
_____ contains functions for manipulations of character data.

   A. Ctype.h
   B. Iostream.h
   C. String.h ok
   D. None of the given

Question No:5 (Marks:1) **Vu-Topper RM**
At the design phase, we try to break up the problem into _____.

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A. Small units
B. Functional units
C. Non-functional units
D. None of the given

Question No:6   **(Marks:1)**   **Vu-Topper RM**
From the following; hich one is the correct syntax of an array declaration: array size 5 and it is of float data type?
A. float [5] name;
B. name [5] float;
C. float name[5];
D. None of the given options

Question No:7   **(Marks:1)**   **Vu-Topper RM**
char name [] ="Hello World";
In the above statement, a memory of _____ charaters will be allocated.
A. 13
B. 11
C. 12   **ok**
D. 10

Question No:8   **(Marks:1)**   **Vu-Topper RM**
Each array declaration must provide the information about all these things except _____.
A. Name of the array
B. Type of data stored in the array
C. The location of the first element to be stored
D. Number of elements of the array

Question No:9   **(Marks:1)**   **Vu-Topper RM**
When we access a multidimensional array, each array index is surrounded by _____.
A. Single quotes "

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B. Double quotes ""

C. Brackets []

D. Commas ,,

Question No:10 (Marks:1) **Vu-Topper RM**

In the case of pointer to pointer or _____, the first pointer contains the address of the second pointer, which contains the address of the variable, which contains the desired value.

A. Different

B. Float and double

C. Single dereference

D. Double dereference **Page 175** **ok**

Question No:11 (Marks:1) **Vu-Topper RM**

Whenever some number is added in an array name, it will jump as many _____ as the added number.

A. Rows **ok**

B. Value

C. Column

D. None of the given

Question No:12 (Marks:1) **Vu-Topper RM**

The statement cout << yptr will show the _____ the yptr points to.

A. Value

B. Variable

C. None of given

D. Memory Address

Question No:13 (Marks:1) **Vu-Topper RM**

char **argv can be read as_____.

A. Pointer to Pimter

B. Pointer to Char

C. Pointer to Pointer to Char **Page 177**

D. None of given

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Question No:14 (Marks:1) **Vu-Topper RM**

_____are conventional names of the command line parameters of the 'main()' function.

    A. 'argb' and 'argv'

    B. 'argc' and 'argv'   **ok**

    C. 'argc' and 'argu'

    D. None of Given

Question No:15 (Marks:1) **Vu-Topper RM**

_____ returns true if c is a letter and false otherwise.

    A. int isalnum(int c)

    B. int isalpha(int c)

    C. int isxdigit(int c)

    D. int isdigit(int c)   **ok**

Question No:16 (Marks:1) **Vu-Topper RM**

Dereferencing operator is represented by _____.

    A. +

    B. *   **ok**

    C. –

    D. None

Question No:17 (Marks:1) **Vu-Topper RM**

In_____, we try to have a precise problem statement

    A. Analysis

    B. Design

    C. Coding

    D. None of the given

Question No:18 (Marks:1) **Vu-Topper RM**

To read command-line arguments, the main() function itself must be given _____ arguments.

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A. 2   **ok**
B. 3
C. 1
D. 4

Question No:19   **(Marks:1)**   **Vu-Topper RM**

For the following statement, how much memory will be allocated to myarray[0]?char * myarray[] = {"Arif", "Sadia"};

A. 5 bytes

B. 4 bytes   **ok**

C. 3 bytes

D. 1 bytes

Question No:20   **(Marks:1)**   **Vu-Topper RM**

Following is the declaration of a _____ array. int arr[2][2];

A. 1 dimensional

B. 2 dimensional   **ok**

C. 4 dimensional

D. 3 dimensional

Question No:21   **(Marks:1)**   **Vu-Topper RM**

A file opened with _____ is used for input and cannot be used for output.

A. Ifstream   **Page 220**

B. Ostream

C. Istream

D. Fstream

Question No:22   **(Marks:1)**   **Vu-Topper RM**

A structure is a collection of _____under a single name.

A. Array

B. Pointer

C. Datatype

D. Variables

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Question No:23   **(Marks:1)**   **Vu-Topper RM**

Following is an array of _____ rows and _____ columns. int num[3][4];

    A. 4 and 4

    B. 3 and 4

    C. 4 and 3

    D. 3 and 3

Question No:24   **(Marks:1)**   **Vu-Topper RM**

What is output of following code?

Int data [10] = {10,20,30,40,50,60,70,80,90,100};

Int*xptr=&data[4];

Int *xptr =&data [6];

Cout< < xptr+yptr++;?

    A. 120

    B. 110

    C. 115

    D. 125

Question No:25   **(Marks:1)**   **Vu-Topper RM**

What will be the output of following program?

Int data[10]=[10,20,30,40,50,60,70,80,90,100];

Int*yptr=&data[5];

Cout<<++yptr

    A. 61

    B. 51

    C. 60

    D. 52

Question No:26   **(Marks:1)**   **Vu-Topper RM**

What will be the output of the following code segment?

Char myName[]="student ID";

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Int n=sizeof(myName);
Cout<<n;
   A. 10
   B. 11   **ok**
   C. 12
   D. 15

Question No:27   **(Marks:1)**   **Vu-Topper RM**
Base address is the memory address of _____ element of an array.
   A. 1st   **ok**
   B. 2nd
   C. 3rd
   D. 4th

Question No:28   **(Marks:1)**   **Vu-Topper RM**
The string in the array is terminated by a_____
   A. Null
   B. One
   C. Two
   D. Five

Question No:29   **(Marks:1)**   **Vu-Topper RM**
What will be the size of the following character array?
char name[]="Adeel";
   A. 6
   B. 5
   C. 4
   D. 3

Question No:30   **(Marks:1)**   **Vu-Topper RM**
By default, the starting index of an array in C++ is _____.
   A. 2
   B. 0
   C. 1

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D. 3

Question No:31   (Marks:1)   **Vu-Topper RM**
Following is the declaration of 2D array how many column are declared for this array int arr[3][2];
   A. 3
   B. 4
   C. 2   **ok**
   D. 1

Question No:32   (Marks:1)   **Vu-Topper RM**
In computer system there are mainly — type of software
   A. 4
   B. 2
   C. 6
   D. 8

Question No:33   (Marks:1)   **Vu-Topper RM**
If we assign 2.06721 to an integer variable x, what will be the output if we print x using cout<<x; statement?
   A. 2.06
   B. 2.1
   C. 2   **ok**
   D. 2.07

Question No:34   (Marks:1)   **Vu-Topper RM**
The name of the array is a constant pointer which contains the memory address of the _____of the array.
   A. First element   **ok**
   B. Last element
   C. Second element
   D. None of the given

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Question No:35   (Marks:1)   Vu-Topper RM
By default the starting index of an array in C++ is—
   A. 0
   B. 1
   C. 2
   D. 3

Question No:36   (Marks:1)   Vu-Topper RM
At the_____, we try to break up the problem into functional units.
   A. Small units
   B. Design phase   **ok**
   C. Functional units
   D. None of the given

Question No:37   (Marks:1)   Vu-Topper RM
If x=11, and x%=3, than values of x will be
   A. 4
   B. 2
   C. 6
   D. 8

Question No:38   (Marks:1)   Vu-Topper RM
A variable of character data type occupies _____ byte(s) in memory.
   A. 0
   B. 2
   C. 1   **ok**
   D. 3

Question No:39   (Marks:1)   Vu-Topper RM
If y=20 and z=y++ then the value of z will be—-
   A. 21
   B. 20

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C. 19

D. 18

Question No:40   **(Marks:1)**   **Vu-Topper RM**

What will be the output of the following code

String grade[3]={"A","B","C"};

Grade[2]="F";

Cout<<grade[2];

  A. F

  B. A

  C. C

  D. D

Question No:41   **(Marks:1)**   **Vu-Topper RM**

After evaluating the expression X=10+3*4/2-1 the value of x will be

  A. 5

  B. 10

  C. 15   **ok**

  D. 20

Question No:42   **(Marks:1)**   **Vu-Topper RM**

9If x is declare as an integer what will be result of the given expression

  A. 2

  B. 4

  C. 6

  D. 8

Question No:43   **(Marks:1)**   **Vu-Topper RM**

The result of 4%3 will be

  A. 0

  B. 1

  C. 2

  D. 3

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Question No:44   **(Marks:1)**   **Vu-Topper RM**

Array indexes start from—

   A. 0
   B. 1
   C. 4
   D. 8

Question No:45   **(Marks:1)**   **Vu-Topper RM**

A while loop many execute —- or more times

   A. 1
   B. 0
   C. 2
   D. 3

Question No:46   **(Marks:1)**   **Vu-Topper RM**

Pointers are a special type of _____ in which a memory address
is stored.

   A. String
   B. Location
   C. Variables   **ok**
   D. Characters

Question No:47   **(Marks:1)**   **Vu-Topper RM**

What will be the size of the array declared as int array[1000];
999
1001

Question No:48   **(Marks:1)**   **Vu-Topper RM**

Suppose that an integer type contains a memory address 0x22f220.
What will be the new memory address if we increment this pointer by
one?
0x22f223
0x22f224

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Question No:49   **(Marks:1)**

We use _____ to open a file or stream for extraction.

In

Out

Question No:50   **(Marks:1)**

Question No:51   **(Marks:1)**

From the following; which one is the range of Random number generator function rand()?

0 – 32767

1 – 32767

Question No:52   **(Marks:1)**

Pointers store the _____

Value of a variable

Memory address

Question No:53   **(Marks:1)**

Which of the following function call is "call by reference" for the following function prototype? int add (int *);

add(&x);

add(int x);

Question No:54   **(Marks:1)**

The use of * sign in first and second statements is called _____ and _____ of pointer.

   A. referencing, referencing

   B. dereferencing, referencing   ok

   C. dereferencing, dereferencing

   D. Referencing, dereferencing

Question No:55   **(Marks:1)**

Pointer points to a particular_____.

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A. Value
B. Variable
C. Data type
D. Memory address   ok

Question No:56   (Marks:1)   Vu-Topper RM
ptr is a constant pointer to an integer
Int*const ptr;

Question No:57   (Marks:1)   Vu-Topper RM
Which of the following is used to create an output stream?
iostream.h

Question No:58   (Marks:1)   Vu-Topper RM
ofstream is used for_____
A. Input file stream
B. All of the given
C. Output file stream   ok
D. Input and output file stream

Question No:59   (Marks:1)   Vu-Topper RM
Which of the following option is correct about array?
A. Array is not used to store elements.
B. Elements in an array cannot be sorted.
C. Different types of elements can be stored in an array.
D. Only one type of elements can be stored in an array

Question No:60   (Marks:1)   Vu-Topper RM
Which of the following is not a file opening
mode_____?
Ios::in
Ios::out
Ios::ate

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ios::truncate

Question No:61　　　　　　　**(Marks:1)**　　　　**Vu-Topper RM**
In____, we have different data members and all of these have their own memory space.
Structures

Question No:62　　　　　　　**(Marks:1)**　　　　**Vu-Topper RM**
When accessing a structure member, the identifier to the left of the dot operator is the name of _____.
   A. Structure member
   B. Structure data
   C. Structure tag
   D. Structure variable

Question No:63　　　　　　　**(Marks:1)**　　　　**Vu-Topper RM**
To get the value stored at a memory address, we use the_____.
   A. binary operator
   B. AND(&&) operator
   C. referencing operator
   D. Deferencing operator

Question No:64　　　　　　　**(Marks:1)**　　　　**Vu-Topper RM**
Which of the following is the default mode of the file opening while using the ofstream class?
ios::out mod

Question No:65　　　　　　　**(Marks:1)**　　　　**Vu-Topper RM**
Given a two dimensional array of integers, what would be the correct way of assigning the value 6 to the element at third row and fourth column?
array[2][3] = 6 ;

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Question No:66   **(Marks:1)**   **Vu-Topper RM**

Which of the following is a correct way to assign the address of the first element of array to pointer? int data[10];

    A. int *ptr = data;
    B. int *ptr = &data;
    C. Int*ptr= data [0]   **ok**
    D. int *ptr = data[2];

Question No:67   **(Marks:1)**   **Vu-Topper RM**

What is the use of ios::trunc mode?
To open a file in input mode
To open a file in output mode
To truncate an existing file to half
To truncate an existing file to zero

Question No:68   **(Marks:1)**   **Vu-Topper RM**

_____function is used to determine the next position to write a character while writing into a file.
Tellg()
Tellp()   **Page 215**
Seekp()
Seekg()

Question No:69   **(Marks:1)**   **Vu-Topper RM**

We must include the header file _____to convert the value of one type into another type using built-in functions.

    A. stdlib.h   **ok**
    B. conio.h
    C. string.h
    D. iostream.h

Question No:70   **(Marks:1)**   **Vu-Topper RM**

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If we have a pointer on the left hand side then the right hand side should have a/an_____.
Address

Question No:71   (Marks:1)   **Vu-Topper RM**
_____ is used for input file or for reading from the file.
Tellg()

Question No:72   (Marks:1)   **Vu-Topper RM**
From following; which one is the correct syntax of an array initialize:
Array size is 10 and it is of double data type to value 0? arr[10]={0.0};
double arr[10]={0.0};

Question No:73   (Marks:1)   **Vu-Topper RM**
An object of _____ class can be created of saving the current position of any opened file before reading from the file.
Streampos

Question No:74   (Marks:1)   **Vu-Topper RM**
We can say that a pointer is a variable that hold the _____ address.
Memory

Question No:75   (Marks:1)   **Vu-Topper RM**
A character is stored in the memory in _____
byte

Question No:76   (Marks:1)   **Vu-Topper RM**
suppose we have int y[10];To access the 4th element of the array we write_____
   A. y[2];
   B. y[4];
   C. y[3];   ok
   D. none of given

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Question No:77   **(Marks:1)**   **Vu-Topper RM**

In C/C++; by default arguments are passed by_____to a function.
Reference
Value

Question No:78   **(Marks:1)**   **Vu-Topper RM**

_____ *Keyword is used to return some value from a function.*

    A. Break
    B. Goto
    C. Continue
    D. Return   **ok**

Question No:79   **(Marks:1)**   **Vu-Topper RM**

Which of the function call is call by value for the following function prototype?
float add(int); add(&x);
add(x);

Question No:80   **(Marks:1)**   **Vu-Topper RM**

The increment of a pointer depends on its_____.

    A. Values
    B. Variable
    C. Data type   **ok**
    D. None of the given

Question No:81   **(Marks:1)**   **Vu-Topper RM**

Transpose of a matrix means that when we interchange rows and columns_____

    A. the Last row becomes the first column
    B. the first row becomes the Last column   **ok**
    C. The first row becomes the first column
    D. the first column becomes the second column

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Question No:82   **(Marks:1)**   **Vu-Topper RM**

Question No:83   **(Marks:1)**   **Vu-Topper RM**

Which of the following option is correct to complete the declaration of the function —-(parameter1, parameter2) {

//code to be executed}

Void function name

Question No:84   **(Marks:1)**   **Vu-Topper RM**

How we declare an array of integer data whose size is 20 with array name count

Int count[20];

Question No:85   **(Marks:1)**   **Vu-Topper RM**

Which of the following is a reserve word for data types in C/C++

Int

Question No:86   **(Marks:1)**   **Vu-Topper RM**

C was developed with the help of _____ language(s).

    A. C#

    B. FORTRAN

    C. Java

    D. BCPL and B   ok

Question No:87   **(Marks:1)**   **Vu-Topper RM**

An object of— class can be created for saving the current position of any opened file befor reading from the file

Streampos

Question No:88   **(Marks:1)**   **Vu-Topper RM**

C++is a — language

High level

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Question No:89   **(Marks:1)**   **Vu-Topper RM**

In while loop the loop counter is initialized at—

Before entering the loop

Question No:90   **(Marks:1)**   **Vu-Topper RM**

What is the output of the following code if the 3rd case is ture

Switch(var) { Case "a";

Cout<<"apple"<<endl; }

    A. Apple

    B. Mango

    C. Mango any fruit

    D. none of the above   **ok**

Question No:91   **(Marks:1)**   **Vu-Topper RM**

_____character is used to indicate the end of the string.

    A. E

    B. Null   **ok**

    C. Nen line

    D. Blank space

Question No:92   **(Marks:1)**   **Vu-Topper RM**

Which one of the following is used to perform bit wise exclusive or operation

|

Question No:93   **(Marks:1)**   **Vu-Topper RM**

Null character is represented by — C++

\0

Question No:94   **(Marks:1)**   **Vu-Topper RM**

There is a pointer variable named ptr of type float. Which type of variable address can be stored by ptr?

    A. Int

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B. Char
C. Float   **ok**
D. Double

Question No:95   **(Marks:1)**   **Vu-Topper RM**
X is a integer variable what does X++ means
Add 1 X value

Question No:96   **(Marks:1)**   **Vu-Topper RM**
When we call a function its control
Transfers to its definition

Question No:97   **(Marks:1)**   **Vu-Topper RM**
"\0" takes — space in the memory
1 Byte

Question No:98   **(Marks:1)**   **Vu-Topper RM**
—- will be used for enclosing function statement into a block
{}

Question No:99   **(Marks:1)**   **Vu-Topper RM**
How can we declare an array of characters whose size is 12 with array name "country"
   A. char country[11];
   B. char country[0-11];
   C. char [12] country;
   D. Char country[12];   **ok**

Question No:100   **(Marks:1)**   **Vu-Topper RM**
We can access a global variable—
From anywhere in the program

Question No:101   **(Marks:1)**   **Vu-Topper RM**

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We use — to include all those functions in our program which are located in different files
Linker

Question No:102   (Marks:1)   **Vu-Topper RM**
Which is not true regarding structures
We can declare array of structure

Question No:103   (Marks:1)   **Vu-Topper RM**
Mr .Ahmad sleep thirty hours every day .this sentence is—
Grammatically correct but illogical

Question No:104   (Marks:1)   **Vu-Topper RM**
— will explain the function of a program
Comments

Question No:105   (Marks:1)   **Vu-Topper RM**
Char**argv can be read as—
Pointer to pointer to char

Question No:106   (Marks:1)   **Vu-Topper RM**
What will be output of the following code? string name[4] = {"Ali", "Bilal", "Omer", "Ayesha"}; cout << name[0];
A.   bilal
B.   **ali**   **ok**
C.   ayesha
D.   omer

Question No:107   (Marks:1)   **Vu-Topper RM**
The data type before a function name represents its,
   A. Return type   ok
   B. Function data
   C. Function name
   D. Function arguments

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Question No:108   **(Marks:1)**   **Vu-Topper RM**

The expression((a+b)==10))||((x+y)==20)is true only if
Either ((a+b)==10) OR ((x+y)==20)is

True
False

Question No:109   **(Marks:1)**   **Vu-Topper RM**

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_____

    A. Int

    B. Long   **Page 215**

    C. Short

    D. Double

Question No:110   **(Marks:1)**   **Vu-Topper RM**

= operator is used for _____.

    A. Comparison

    B. Decision making

    C. Checking equality

    D. Assigning values to variables   **ok**

Question No:111   **(Marks:1)**   **Vu-Topper RM**

What is the use of is::trunk mode

To truncate an existing file to zero

Question No:112   **(Marks:1)**   **Vu-Topper RM**

Structures use _____ for memory allocation.

Heap
Stack
Queue
Cache

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Question No:113 (Marks:1) **Vu-Topper RM**

A _____is an array of characters that can store number of character specified.

   A. Char

   B. String ok

   C. Data type

   D. Multidimensional array

Question No:114 (Marks:1) **Vu-Topper RM**

—- statement is used to terminate the processing of a particular case and exit from switch structure

Break

Question No:115 (Marks:1) **Vu-Topper RM**

Declaration of two dimensional array of integer having 3 rows and 5 column is following

In arr [3][5];

Question No:116 (Marks:1) **Vu-Topper RM**

A=a+1; can be written as—

A+=1;

Question No:117 (Marks:1) **Vu-Topper RM**

A record is a group of related _____.

   A. Data

   B. Files

   C. Bytes

   D. Fields ok

Question No:118 (Marks:1) **Vu-Topper RM**

What will be the result of arithmetic expression 6+48/4*3 ?

   A. 10

   B. 41

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C. 42   **ok**

D. 40.5

Question No:119   **(Marks:1)**   **Vu-Topper RM**

—- construct is used to execute a set of instruction when a condition is true and other set when it is false

If/else

Question No:120   **(Marks:1)**   **Vu-Topper RM**

If an array has 50 element what is allowable range of subscripts

0-49

Question No:121   **(Marks:1)**   **Vu-Topper RM**

If int a=50; then the value of a=3; will be

16

Question No:122   **(Marks:1)**   **Vu-Topper RM**

Whenever some number is added in an array name it will jump as many—

Rows

Question No:123   **(Marks:1)**   **Vu-Topper RM**

_____ returns true if c is a digit or a letter and false otherwise.

    A. int isdigit(int c)
    B. int isalpha(int c)
    C. int isxdigit(int c)
    D. Int isalnum(int c)   ok

Question No:124   **(Marks:1)**   **Vu-Topper RM**

Which of the following is the default mode of the opening using the of stream class

Ios::trunk

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Question No:125   **(Marks:1)**   **Vu-Topper RM**

In which language the compiler of c language is written

C

Question No:126   **(Marks:1)**   **Vu-Topper RM**

While loop executes at least _____ if the condition is false.

   A. One time   **ok**

   B. Zero time

   C. Two Times

   D. Undefined times

Question No:127   **(Marks:1)**   **Vu-Topper RM**

String are accessed by variable of type

Char

Question No:128   **(Marks:1)**   **Vu-Topper RM**

Which of the following is the correct operator to compare the values of two variables?

   A. =

   B. = =   **ok**

   C. :=

   D. *=

Question No:129   **(Marks:1)**   **Vu-Topper RM**

Not operator is a —

Single input operator

Question No:130   **(Marks:1)**   **Vu-Topper RM**

Pointer point to a particular

Memory address

Question No:131   **(Marks:1)**   **Vu-Topper RM**

A function is a block of statements that can be defined once and used _____ in the program.

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A. One time
B. Two times
C. Three times
D. As many times as user wants   ok

Question No:132   (Marks:1)   Vu-Topper RM
_____ function is used to find the number of characters in a string.

   A. str()
   B. str_len()
   C. Strlen()   ok
   D. strlength()

Question No:133   (Marks:1)   Vu-Topper RM
!= operator is used to check whether the operand on the left-hand-side is _____ to the operand on the right-hand-side.

   A. Not equal   ok
   B. Less than or equal
   C. Greater than or equal
   D. Approximately equal to

Question No:134   (Marks:1)   Vu-Topper RM
A variable declared within a code block become —— variable for that block
Local

Question No:135   (Marks:1)   Vu-Topper RM
If a file is opened with ios::out mode, then _____.

   A. file is deleted
   B. a new file is created
   C. content of file discarded
   D. We can write in this file   ok

Question No:136   (Marks:1)   Vu-Topper RM

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Function prototype is written -------.
   A. Before call of that function   **ok**
   B. Within the parentheses of main()
   C. After the return statement in main
   D. Before the return statement in main

Question No:137   **(Marks:1)**   **Vu-Topper RM**
_____ loop is mostly used to perform repetition of a tasks for a known number of times.
   A. For   **ok**
   B. While
   C. Do-while
   D. Nested Loop

Question No:138   **(Marks:1)**   **Vu-Topper RM**
In shifting operations if zero is inserted at the left most bit the negative number will become a—
Positive

Question No:139   **(Marks:1)**   **Vu-Topper RM**
It is the job of _____ to transfer the executable code from hard disk to main memory.
   A. Linker
   B. Loader   **ok**
   C. Debugger
   D. Interpreter

Question No:140   **(Marks:1)**   **Vu-Topper RM**
RAID stands for
Redundant array of inexperience device

Question No:141   **(Marks:1)**   **Vu-Topper RM**

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In call by reference, _____ of a variable is passed to the called function.
    A. Value
    B. Name
    C. Address   **ok**
    D. Data type

Question No:142   **(Marks:1)**   **Vu-Topper RM**
The name of a location in memory is called _____.
    A. Cell
    B. Number
    C. Constant

    D. Variable   **ok**

Question No:143   **(Marks:1)**   **Vu-Topper RM**
Which statement is used to close a file?
    A. myFile.off();
    B. myFile.shut();
    C. Myfile.close();   **ok**
    D. myFile.closefile();

Question No:144   **(Marks:1)**   **Vu-Topper RM**
While handling files, one can have _____ options
    A. read the file
    B. write in some file
    C. All of the given   **ok**
    D. read and write in the same file

Question No:145   **(Marks:1)**   **Vu-Topper RM**
Identify the logical error in the following if condition
If((i<5)&&(i>15))
Condition is always false

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Question No:146   **(Marks:1)**   **Vu-Topper RM**

The use of* sign in first and second statements is called

Int*ptr=&x;

Cout<<*ptr;

Referencing dereferencing

Question No:147   **(Marks:1)**   **Vu-Topper RM**

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

   A. Unix

   B. Linux   **ok**

   C. Mac OS

   D. Windows

Question No:148   **(Marks:1)**   **Vu-Topper RM**

What will be the correct syntax of declaration of the following statement

Const int*ptr

Question No:149   **(Marks:1)**   **Vu-Topper RM**

We can read write and manipulate the same file using

Fstream.h

Question No:150   **(Marks:1)**   **Vu-Topper RM**

Return type of a function that does not return any value must be _____.

   A. Int

   B. Void   **ok**

   C. Char

   D. Double

Question No:151   **(Marks:1)**   **Vu-Topper RM**

Pointer store the—

Memory address

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Question No:152   **(Marks:1)**   **Vu-Topper RM**

—— operator uses the sign^

Exclusive OR

Question No:153   **(Marks:1)**   **Vu-Topper RM**

Complier translates high level language program into —- language code

Machine

Question No:154   **(Marks:1)**   **Vu-Topper RM**

When the logical operator AND(&&0 combine two expression exp1 and exp2 then the result will be true only

When both exp1 and exp2 are true

Question No:155   **(Marks:1)**   **Vu-Topper RM**

Multi[3][3]element can also be accessed by

((multi+3)+3

Question No:156   **(Marks:1)**   **Vu-Topper RM**

We get 12|8=—— where "|"is(bit wise OR)

12

Question No:157   **(Marks:1)**   **Vu-Topper RM**

_____ is a substitute of multiple if statement.

   A. Continue statement
   B. Break statement
   C. If— elseif statement   ok
   D. Default statement

Question No:158   **(Marks:1)**   **Vu-Topper RM**

Find out the logical error in following lines of code

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If(x=10) Cout<<"x is 10";
Assignment operator should not be used for comparison

Question No:159   **(Marks:1)**   **Vu-Topper RM**
Which is not true regarding structures
We can not declare pointers to structure

Question No:160   **(Marks:1)**   **Vu-Topper RM**
— are used to compile the code
Compiler

Question No:161   **(Marks:1)**   **Vu-Topper RM**
A— structure specifies that can action is to be repeated while some condition remains true
Repetition

Question No:162   **(Marks:1)**   **Vu-Topper RM**
— is used for output during the process of writing to the file
Seekp()

Question No:163   **(Marks:1)**   **Vu-Topper RM**
In case of two dimensional array if you add some number in a two dimensional array name it will jump to the next—
Row

Question No:164   **(Marks:1)**   **Vu-Topper RM**
Which step is not not performed during a program design
Write details about the performance of program

Question No:165   **(Marks:1)**   **Vu-Topper RM**
Suppose we have a file with name "myfile.txt". What will be the correct syntax of file opening for input?
   A. myFile.open("myfile.txt", ios::in);
   B. myFile.in("myfile.txt", ios::open);
   C. myFile.input("myfile.txt", ios::open);

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D. myFile.open("myfile.txt", ios::input);

Question No:166   **(Marks:1)**   **Vu-Topper RM**
Which operator has the highest precedence?
(*,-,/,+)
    A. + has the highest precedence
    B. has the highest precedence
    C. *and/both have the same highest precedence   **ok**
    D. + and - both have the same highest precedence

Question No:167   **(Marks:1)**   **Vu-Topper RM**
From the following which one is the range of random number generator
function rand()
0-32767

Question No:168   **(Marks:1)**   **Vu-Topper RM**
_____variables are those that are defined are outside of main
Global

Question No:169   **(Marks:1)**   **Vu-Topper RM**
When the compiler overload the assignment (=) operator by Default
then
Compiler does member wise assignment

Question No:170   **(Marks:1)**   **Vu-Topper RM**
Following is the declaration of a _____ array. int arr[2][2][2];
    A. 1 dimensional
    B. 2 dimensional
    C. 4 dimensional
    D. 3 dimensional   **ok**

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