CS201 MIDTERM PAST PAPER SCREENSHOT

Which one of the symbol is used to represent a decision in a flow chart ?

Answer (Please select your correct option)

○ ⬡

○ ◇   correct

○ ▭

○ ⬭

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

Answer (Please select your correct option)

○ Rectangle

○ Circle

○ Diamond

○ Arrow   correct

There can be _____ **'default'** statement(s) in any switch structure .

Answer (Please select your correct option)

1

2
correct

3

n

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The condition in loop should be a(n) _____ .

Answer (Please select your correct option)

○ Constant Expression

○ Boolean Expression

○ Primary Expression

○ Arithmatic Expression   correct

How many nested loops would be required to manipulate n-dimensional array?

Answer (Please select your correct option)

○ n

○ n +1

○ n -1

○ 2n   correct

Which of the following is not an example of int data type?

Answer (Please select your correct option)

○ 0

○ -32

○ 65531

○ -4.0 **correct**

We should use _____ for clarity and to force the order of evaluation in an expression.

Answer (Please select your correct option)

○ Brackets []

○ parenthesis ( ) **correct**

○ curly braces { }

○ quotation marks " "

Which of the following is the starting index of an array in C++?

Answer (Please select your correct option)

○ 0

correct

○ 1

○ -1

○ 2

The statement x += y can be interpreted as _____.

Answer (Please select your correct option)

○ Adding the value of the x to the value of the y and storing the result in x

○ Adding the value of the y to the value of the x; store the result in y

○ Adding the value of the x to the value of the x; pd the result in x

○ Adding the value of the y to the value of the y; store the result in x

Given a 2D array of integers, what would be the correct way of assigning the value 5 to the element at second row and third coloum ?

Answer (Please select your correct option)

○ m[2][3] = 5 ;

correct

○ m[3][2] = 5 ;

○ m[1][2] = 5 ;

○ m[2][3] = '5';

Array is a data structure that stores_____.

Answer (Please select your correct option)

○ Memory addresses

○ Variables   **correct**

○ Data type

○ Data

A program statement that invokes a function is called _____.

Answer (Please select your correct option)

○ function declaration

○ function call   correct

○ function definition

○ function prototype

If a function has been declared but not defined before its function call then it is termed as_____.

Answer (Please select your correct option)

○ logical error

○ syntax error

○ run time error

○ program time error

The Compiler of C language is written in------------language.

Answer (Please select your correct option)

○ JAVA

○ BASIC

○ FORTRON

○ C   correct

To convert the value of one type into another type using built-in functions, we include _____ header file.

Answer (Please select your correct option)

○ conio.h

○ stdlib.h   correct

○ iostream.h

○ string.h

Which one of the below functions is not included in ctype.h header file?

Answer (Please select your correct option)

○ isdigit(int c)

○ isxdigit(int c)

○ tolower(int c)

○ getdigit(int c)

Which function is used to locate the first occurance of a character in any string ?

Answer (Please select your correct option)

○ strchr()

○ strstr()

○ strtok()

○ strlen() correct

The function write() takes _____ as parameter(s).

Answer (Please select your correct option)

○ String of pointer type

○ String of variable lengths, no. of bytes to be read and flags

○ Pointer array of characters and a delimiter

○ String and no. of bytes to be written **correct**

_____ is the pointer which determines the position in a file from where the next read operation occurs.

Answer (Please select your correct option)

○ put

○ seek

○ get

○ tell

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?

Answer (Please select your correct option)

○ array[2][3]=6;

○ array[3][4]=6;   **correct**

○ array[2][4]=6;

○ array[4][3]=6;

2 marks

Question No : 21 of 26

Write the syntax for calling a string manipulation function which compares the first 5 characters of an array "name" with the string "asdf".

2 marks

Question No : 22 of 26

What will be the value of x after the execution of the following code segment?

```
int x =10;
int y =30;
int *xptr = &x;
x = *xptr + 10;
```

Question No : 23 of 26   Marks: 3 (Budgeted Time 6 Min)

Assume that you write a program to read the data from a text file. You have two options to do it, either reading the data character by character or reading multiple lines of data at a time. Which option do you think is more better and Why ?

Consider that an integer pointer xptr contains the memory address 0x22ff50. Now if the statement xptr +=4; is executed, how many bytes the pointer xptr will jump in the memory and what will be the new address of the xptr?

Write a program which takes a string from the user and searches it within another string "This is my Pakistan".

For example, if the user enters the string "my" then after search, the program should display the message "String found" otherwise it should display the message "string not found".

Detect and correct compile time error(s) in the following code.

Hints: The following code print numbers from 1 to 100.

```
void main()
{
```

```
    int  counter;
    float *ptr;

    for ( counter =1; counter <= 100; counter++)
    {
        ptr = counter;
```

```
        cout << ptr <<" ";

    getch();
    return 0;
}
```

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