

CS201 MIDTERM PAST PAPER

Question No : 1 of 26

How many dimensions does n-dimensional array has?

Answer (Please select your correct option)

- ☒ n dimensions **correct**
- ☐ 2n dimensions
- ☐ (n+1) dimensions
- ☐ (n-1) dimensions

Question No : 2 of 26

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

Answer (Please select your correct option)

☐ func(int &num) ;

☐ func(&num) ;

☐ func(*num) ;

☐ func(num) ;

correct

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Question No : 3 of 26

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

Answer (Please select your correct option)

☐

3

☐

2

☒

1

☐

4

correct

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Question No : 4 of 26

The loop which is most suitable to be used when the number of iterations is known is called _____.

Answer (Please select your correct option)

☐ for correct

☐ while

☐ do-while

☐ all looping processes require that the iterations be known

pdfelement

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Question No : 5 of 26

In C/C++, the string constant is enclosed in _____.

Answer (Please select your correct option)

☐

curly braces {}

☐

parentheses()

☐

single quotes ''

☒

double quotes" "

correct

Question No : 6 of 26

In order to get the right most digit of a number, we divide this number by 10 and take _____.

Answer (Please select your correct option)

☐ Its remainder

correct

☐ Its quotient

☐ Its divisor

☐ The number

pdfelement

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Question No : 7 of 26

What is the correct syntax to declare an array of size 10 of int data type?

Answer (Please select your correct option)

☐ int [10] name ;

☐ name[10] int ;

☐ int name[10] ;

☐ int name[] ;

correct

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Question No : 8 of 26

How many bytes of memory are occupied by array 'str'?

```
char str[] = "programming";
```

Answer (Please select your correct option)

☐

10

☒

11

☐

12

☐

13

correct

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Question No : 9 of 26

When the if statement consists more than one statement then enclosing these statement in curly braces is,

Answer (Please select your correct option)

- ☐ Not required
- ☐ Good programming
- ☐ Relevant
- ☐ Must

correct

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Question No : 10 of 26

Suppose that an integer type pointer contains a memory address 0x22f230. What will be the new memory address if we increment this pointer by one?

Answer (Please select your correct option)

☐ 0x22f231

☐ 0x22f234

☐ 0x22f226

☐ 0x22f238

correct

pdfelement

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Question No : 11 of 26

Which of the following if missing would result in infinite recursion in case of recursive function?

Answer (Please select your correct option)

- ☒ Recursive call correct
- ☐ Base case
- ☐ Function parameters
- ☐ Local variables

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Question No : 12 of 26

Whenever we use a library function or a predefined object or macro, we need to use a _____.

Answer (Please select your correct option)

☐ source file

☐ object file

☐ header file

☐ exe file

correct

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Question No : 13 of 26

Switch statement deals with _____ type of data.

Answer (Please select your correct option)

☐ Integer

☐ Float

☐ Character

☐ Both Integer and Character

correct

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Question No : 14 of 26

Both compiler and _____ are used to translate program into machine language code.

Answer (Please select your correct option)

☐ debugger

☐ linker

☐ loader

☐ interpreter

correct

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Question No : 15 of 26

TWAIN stands for _____

Answer (Please select your correct option)

☐

Technology With An Interesting Name

☐

Technology Without An Informative Name

☐

Technology Without An Interesting Name

correct

☐

Technology With An Informative Name

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Question No : 16 of 26

The parameter passed to isdigit() function is _____.

Answer (Please select your correct option)

☐ a character variable

correct

☐ a boolean variable

☐ an integer variable

☐ a character string

pdf element

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Question No : 17 of 26

C++ views each file as a sequential stream of _____.

Answer (Please select your correct option)

☐ Bits

☐ Bytes

☐ Numbers

☐ Words

correct

patel element

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Question No : 18 of 26

Structure is a collection of _____ under a single name.

Answer (Please select your correct option)

☐ only functions

☐ only variables

☐ both functions and variables

☐ only data types

correct

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Question No : 19 of 26

The default mode for writing into a file using ofstream object is _____.

Answer (Please select your correct option)

☐ out

correct

☐ bin

☐ app

☐ ate

pdfelement

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Question No : 20 of 26

The microsoft word document(.doc) is a kind of _____.

Answer (Please select your correct option)

- ☐ Sequential File
- ☐ Random Access File
- ☐ Binary Access File
- ☐ Executable File

correct

2 marks

Question No : 21 of 26

If p and q are two pointers then what is the problem with the following statement?

```
cout << "p = " << p << ", p + q = " << p + q << endl;
```

2 marks

Question No : 22 of 26

If a structure is passed to a function, What will be the default calling convention (by value or by reference)?

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3 marks

Question No : 23 of 26

Explain the logic of the given program code and also determine its output.

```
#include <iostream.h>
#include<string.h>

main()
```

Question No : 23 of 26

```
{
    char name[10]= "Khaqan";
    char msg[20] = "Welcome!";
    cout<<strncat(msg, name, 3);
```

Question No : 23 of 26

```
    char msg[20] = "Welcome!";
    cout<<strncat(msg, name, 3);

    return 0;
}
```

3 marks

Question No : 24 of 26

Write the code to for the following task.

Declare an integer array longroutes and a pointer routePtr and then assign the address of array longroutes to the pointer variable routePtr.

5 marks

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Question No : 25 of 26

Write a program which declares and initializes an integer array of 10 elements and then using a pointer, displays the array elements in reverse order.

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5 marks

Question No : 26 of 26

Find out errors in the program if any and after correction, write the output.

```
int main()
{
    ofstream outfile;
    long position;
```

Question No : 26 of 26

```
long position;
char outfilename[] = "abc.txt";
outfile.open(outfilename);
if(!outfile)
{
    cout<<"Error Occured while opening a file";
```

Question No : 26 of 26

```
    cout<<"Error Occured while opening a file";
    exit(1);
}
outfile.write("This is a car", 12);
position = outfile.tellp();
outfile.seekp(position-5);
outfile.write("jar", 3);
```

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```
position = outfile.tellp();
outfile.seekp(position-5);
outfile.write("jar", 3);
outfile.close();
return 0;
}
```