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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

pattelement

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

pdfelement
correct

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

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

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

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

pdfelement

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

pdfelement

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

correct

0x22f226

0x22f238

pdfelement

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

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

pdfelement
correct

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

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

intreperter

correct

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

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

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
pattelement

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

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

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)?

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

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.

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);
```

Question No : 26 of 26

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