

VIRTUAL UNIVERSITY OF PAKISTAN

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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

We Deal All Kind of VU Project
(PHP, .NET, ANDROID, PYTHON)

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WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



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Best of luck!



Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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)

3

2

1

4

correct

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

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
- while
- do-while
- all looping processes require that the iterations be known

correct

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

curly braces {}

parentheses()

single quotes ''

double quotes ""

correct

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

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 Answer Solved By Hadi

correct

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

How many bytes of memory are occupied by array 'str'?
char str[] = "programming";

Answer (Please select your correct option)

10

11

correct

12

13

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Marks: 1 (Budgeted Time 1 Min)

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

Marks: 1 (Budgeted Time 1 Min)

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

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

debugger

linker

loader

intreperter

correct

Correc
usma
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Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

TWAIN stands for _____.

Answer (Please select your correct option)

- Technology With An Interesting Name
- Technology Without An Informative Name
- Technology Without An Interesting Name
- Technology With An Informative Name

correct

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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

The parameter passed to isdigit() function is _____.

Answer (Please select your correct option)

- a character variable
- a boolean variable
- an integer variable
- a character string

correct

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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

Bits

Bytes

correct

Numbers

Words

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

out

correct

bin

app

ate

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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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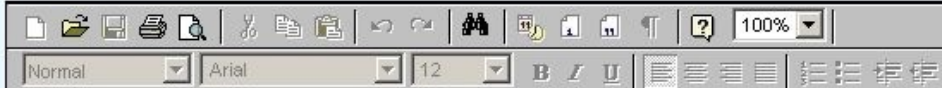
Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

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

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

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



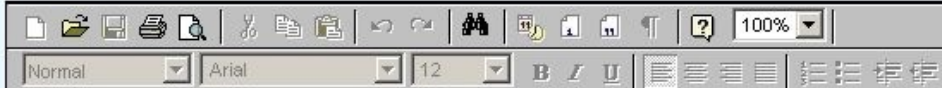
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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

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

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



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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

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

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

main()
```

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

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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

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

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

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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

```
char msg[20] = "Welcome!";  
cout<<strncat(msg, name, 3);  
return 0;  
}
```

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

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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

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.

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

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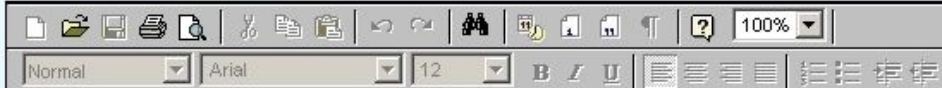
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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

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.

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



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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

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

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

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

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

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

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

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

```
outfile.write("This is a car", 12);
position = outfile.tellp();
outfile.seekp(position-5);
outfile.write("jar", 3);
```

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

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

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

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

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