

# 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)

**MADE AND SOLVED BY HADI**

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)

The memory address of the first element of an array is called

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Answer ( Please select your correct option )

floor address

foundation address

first address

base address

correct

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

We want to access array in random order which of the following approach is better?

Answer ( Please select your correct option )

- Pointers
- Array index
- Both pointers and array index are better
- Matrix

correct

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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

The \_\_\_\_\_ structure is a multiple-selection construct which makes the code more efficient and easy to read and understand.

Answer ( Please select your correct option )

multiple-if

switch

if-else

else-if

correct

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a reserved word in C/C++?

Answer ( Please select your correct option )

- int
- float
- double
- sum

correct

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

To access rand(), which library is required to be included in program ?

Answer ( Please select your correct option )

conio.h

stdio.h

stdlib.h

iostream.h

correct

Correct Answer  
Solved By Hadi

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

What is the highest legal index for the following array?  
int arr[4]

Answer ( Please select your correct option )

4

3

correct

2

1

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

When an array element is passed to a function, it is passed by \_\_\_\_\_.

Answer ( Please select your correct option )

reference

correct

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data type

value

data

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

While programming, it is good to provide an easy to understand and easy to use interface; this programming skill is called \_\_\_\_\_.

Answer ( Please select your correct option )

scalability

usability

correct

reliability

sustainability

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

Word processor is a type of a/an \_\_\_\_\_.

Answer ( Please select your correct option )

- operating system
- application software
- device driver
- utility software

correct

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Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

'while' loop may execute \_\_\_\_\_ or more times.

Answer ( Please select your correct option )

three



zero



two



one



correct

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

The keyword \_\_\_\_\_ is used to get some value back from a function.

Answer ( Please select your correct option )

return

correct

break

continue

goto

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

Identify the correct option which is used for calling the function float area (int).

Answer ( Please select your correct option )

area(&num) ;

area(num) ;

area(int num) ;

area(\*num) ;

Correct Answer Solved By Hadi

correct

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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

The \_\_\_\_\_ statement allows us to select from multiple choices based on a set of fixed values for a given expression.

Answer ( Please select your correct option )

switch

correct

break

continue

goto

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Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

C is widely known as development language of \_\_\_\_\_ operating system.

Answer ( Please select your correct option )

Windows

Unix

Mac OS

Linux

correct

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Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

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

iostream.h

string.h

correct

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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

Syntax of a union is identical to \_\_\_\_\_ .

Answer ( Please select your correct option )

structure

correct

class

function

loop

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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

The function seekg() takes \_\_\_\_\_ parameter(s).

Answer ( Please select your correct option )

0

1

2

3

correct

Correct Answer Solved By Hadi

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

When the logical operator AND (&&) combines two expressions exp1 and exp2 then the result will be true only \_\_\_\_\_

Answer ( Please select your correct option )

When both exp1 and exp2 are true

correct

When both exp1 and exp2 are false

When exp1 is true and exp2 is false

When exp1 is false and exp2 is true

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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

Null character is used to indicate the \_\_\_\_\_ of string.

Answer ( Please select your correct option )

Start

End

correct

Begin

Middle

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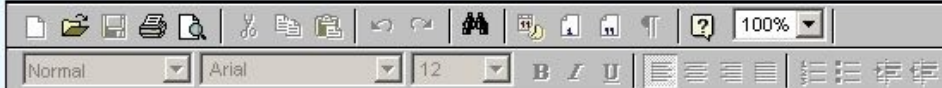
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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

A two-dimensional array has 3 rows and 4 columns. Write down the syntax to initialize first element of all three rows of two-dimensional array with value 2.

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



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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Identify any logical or syntax error in the statement below and explain the reason of the error.

```
seekg (-10L, ios::beg);
```

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

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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

Using the given array declaration:

```
int arr[] = {1, 2, 3, 4, 5, 6, 7, 8, 9};  
int* arr_ptr = arr;
```

Find out the value of each of the expressions below.

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



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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

```
int arr_ptr = arr,
```

Find out the value of each of the expressions below.

1. `*(arr_ptr + 4)`
2. `(*arr_ptr)++`
3. `*(arr_ptr++)`

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



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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

If you are provided two methods for accessing a file, random and sequential. Which method will you prefer and why?

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



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Following are two programming statements; you have to write down the functionality of each statement?

- 1) `int *const intPtr = &x ;`
- 2) `const int *intPtr = &x ;`

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](#) )

Normal Arial 12 B I U

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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);  
exit(1);  
}
```

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](#) )

100%

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**Best of luck .. Team HADI Lahore**

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