

# 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)

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

Answer ( Please select your correct option )



correct



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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

In Flow Chart, flow of control is represented by \_\_\_\_\_.

Answer ( Please select your correct option )

☐ Rectangle

☐ Circle

☐ Diamond

☐ Arrow

correct

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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

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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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

The condition in loop should be a(n) \_\_\_\_\_.

Answer ( Please select your correct option )

☐ Constant Expression

☐ Boolean Expression

☐ Primary Expression

☐ Arithmetic Expression

correct

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

0

☐

-32

☐

65531

☐

-4.0

☐

correct

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

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 " "

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

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0

☐

correct

1

☐

-1

☐

2

☐

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

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

correct

☐ 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, store the result in x

☐ Adding the value of the y to the value of the y, store the result in x

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Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

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 column ?

Answer ( Please select your correct option )

☐ `m[2][3] = 5 ;`

correct

☐ `m[3][2] = 5 ;`

☐ `m[1][2] = 5 ;`

☐ `m[2][3] = '5' ;`

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

Array is a data structure that stores \_\_\_\_\_.

Answer ( Please select your correct option )

☐ Memory addresses

☒ Variables

correct

☐ Data type

☐ Data

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

A program statement that invokes a function is called \_\_\_\_\_.

Answer ( Please select your correct option )

☐ function declaration

☒ function call

correct

☐ function definition

☐ function prototype

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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

☐ JAVA

☐ BASIC

☐ FORTRON

☒ C

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)

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)

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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

☐ strchr()

☐ strstr()

☐ strtok()

☐ strlen()

correct

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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

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

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

*CHECK BOOK*

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Answer ( Please select your correct option )

☐ put

☐ seek

☐ get

☐ tell

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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

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;

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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

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

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

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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

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;
```

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



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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 ?

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

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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

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`?

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



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

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".

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

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

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

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

```
void main()  
{
```

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



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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

```
int counter;  
float *ptr;  
  
for (counter=1; counter <= 100; counter++)  
{  
    ptr = counter;  
}
```

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

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

```
cout << ptr << " ";  
  
getch();  
return 0;  
}
```

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



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