

VIRTUAL UNIVERSITY OF PAKISTAN

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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

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(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)

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

☐



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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following operators is used to access the value of variable pointed by a pointer?

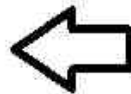
Answer (Please select your correct option)

☐ * operator

☐ -> operator

☒ && operator

☐ & operator



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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

In case of single dereferencing, the value of the _____ is the address of the _____.

Answer (Please select your correct option)

☒ pointer, variable



☐ pointer, constant

☐ variable, pointer

☐ constant, pointer

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

The remainder (%) operator is a _____ operator.

Answer (Please select your correct option)

☐ Logical

☒ Arithmetic

☐ Relational

☐ Conditional

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

What will be the output of following code?

```
int x = 10 ;  
cout << "x=" << x ;
```

Answer (Please select your correct option)

☐ 10

☐ "x=10"

☒ x=10

☐ 10=x



Correct Answer Solved By Hadi

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

The purpose of using cout<< is to _____.

Answer (Please select your correct option)

☒ Display information on the screen



☐ Read the data from keyboard

☐ Read the data from a file

☐ Write into a file

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following data types will be assumed if no data type is specified with constant?

Answer (Please select your correct option)

- ☐ short i think short
- ☐ float
- ☐ int
- ☐ double

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Question No : 8 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



☐ data type

☐ value

☐ data

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Question No : 9 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

☐ reliability

☐ sustainability



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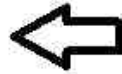
Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ executes all the lines before error and stops at the line which contains the error.

Answer (Please select your correct option)

☐ Interpreter



☐ Compiler

☐ Linker

☐ Debugger

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is the correct syntax to access the value of first element of an array using pointer ptr?

Answer (Please select your correct option)

☐ ptr[0]

☐ *(ptr+1)

☐ ptr[1]

☒ *ptr[0]

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

C is a/an _____ language.

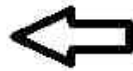
Answer (Please select your correct option)

☐ low level

☐ object based

☐ object oriented

☐ function oriented



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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ of a function is also known as signature of a function.

Answer (Please select your correct option)

☐ Definition

☒ Declaration

☐ Calling

☐ Invoking



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Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ are very good tools for code reuse.

Answer (Please select your correct option)

☐ operators

☐ loops

☒ functions

☐ variables



Correct Answer Solved By Hadi

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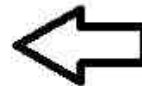
Question No : 15 of 25

Marks: 1 (Budgeted Time 1 Min)

If any break statement is missed in switch statement then _____.

Answer (Please select your correct option)

- ☐ compiler will give error
- ☒ this may cause a logical error
- ☐ no effect on program
- ☐ program stops its execution



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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

A 2D array `multi[5][10]` can be accessed using the array name as `**multi`, this technique is called _____.

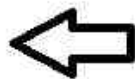
Answer (Please select your correct option)

☐ Single referencing

☐ Single dereferencing

☐ Double referencing

☐ Double dereferencing



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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

In C/C++, the default command line arguments passed to the main function are _____.

Answer (Please select your correct option)

☐ float argc, char **argv

☒ int argc, char **argv

☐ int *argc, char *argv

☐ int argc, float **argv

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

A record is a group of related _____.

Answer (Please select your correct option)

☐ Files

☐ Bytes

☐ Fields

☐ Data



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Question No : 19 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



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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

☐ Begin

☐ Middle



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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

Consider the structure

```
struct Customer  
{  
    int custnum;  
    int salary;
```

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



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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

```
int custnum;  
int salary;  
float commission;  
};
```

Write the code for declaring a Customer type variable cust1 and assign a value 2000 to the structure member salary.

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



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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

How two dimensional array relates with a matrix?

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



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Identify each of the given functions as string conversion function or string manipulation function.

1. `double atof(const char *nptr)`
2. `char *strcpy ( char *s1, const char *s2)`
3. `int atoi(const char *nptr)`

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



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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

What is the output of following code snippet?

```
int array[7], sum = 0;  
for(int i=0;i<7;i++)  
{  
    array[i] = i;
```

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

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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

```
main() {  
    sum+= array[i];  
}  
cout<< " Sum = " <<sum;
```

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



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Write the output of following program.

```
#include<iostream.h>
int main()
{
    int arr[5], i=-1, z;
```

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



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

```
while(i<5)
    arr[i]=++i;

for(i=0; i<5; i++)
    cout<<arr[i]<<" ";
```

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



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

```
*** [4] ***  
  
for(i=0; i<5; i++)  
    cout<<arr[i]<<" ";  
  
return 0;  
}
```

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

Normal Arial 12 B I U [?] 100%

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Question No : 26 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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