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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)

Consider the following code segment. What will be the output of following code?

```
int addValue (int *a){  
int b = (*a) + 2;  
return b;  
}
```

Answer (Please select your correct option)

☐ 6,8,6



☐ 6,6,8

☐ 6,8,8

☐ 6,6,6

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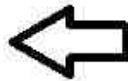
Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

```
main () {  
int x=6;  
cout << x << ",";  
cout << addValue(&x) << ",";  
cout << x;  
}
```

Answer (Please select your correct option)

☐ 6,8,6



☐ 6,6,8

☐ 6,8,8

☐ 6,6,6

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

Here the code is given below. You have to identify the problem in the code.

```
while( (i < 10) && (i > 24))
```

Answer (Please select your correct option)

☐ the logical operator && cannot be used in a test condition

☐ the while loop is an exit-condition loop

☐ the test condition is always true

☐ the test condition is always false



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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

The correct syntax of do-while loop is _____.

Answer (Please select your correct option)

☐ (condition) while; do { statements; };

☐ { statements; } do-while ();

☐ while(condition); do { statements; };

☐ do { statements; } while (condition);



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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

Matrix is defined as _____.

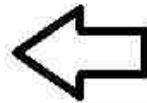
Answer (Please select your correct option)

☐ Single dimensional array

☒ Multi-dimensional array

☐ Vector product

☐ Scalar product



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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

In programming, comments are used to explain the functioning of the _____.

Answer (Please select your correct option)

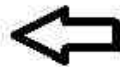
☐ Debugger

☐ Editor

☒ Program

☐ Linker

Correct Answer Solved By Hadi



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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

Operating System is a type of a/an _____.

Answer (Please select your correct option)

☐ application software

☒ system software

☐ computer language

☐ interpreter

correct

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

From the options given, you need to choose the option which is true for the given code.

```
for (int i = 1; i > 0; i++) {  
    /* loop code */  
}
```

Answer (Please select your correct option)

☐ the logical operator && cannot be used in a test condition

☐ the while loop is an exit-condition loop

☐ the test condition is always false

☐ the test condition is always true



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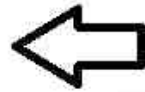
Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following values are used in C/C++ to represent true and false?

Answer (Please select your correct option)

☐ 1 and 0



☐ 1 and -1

☐ 11 and 00

☐ Any numerical value

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

'while' loop may execute _____ or more times.

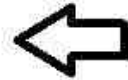
Answer (Please select your correct option)

☐ three

☒ zero

☐ two

☐ one



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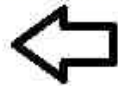
Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

Body of any function is enclosed within _____

Answer (Please select your correct option)

☐ ()



☐ ()

☐ []

☐ ""

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

What will be the correct syntax for initialization of a pointer ptr with string "programming"?

Answer (Please select your correct option)

☐ char ptr = 'programming' ;

☒ char *ptr = "programming" ;

☐ char *ptr = 'programming' ;

☐ *ptr = "programming" ;



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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

Which one of the given option is not a mode for reading/writing the data from a file?

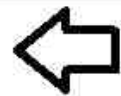
Answer (Please select your correct option)

☐ in

☐ out

☐ trunc

☐ get



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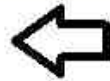
Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ mode allows us to add data or change data anywhere in the file.

Answer (Please select your correct option)

☐ ios::ate



☐ ios::app

☐ ios::binary

☐ ios::edit

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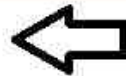
Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

In C/C++, _____ are the doors through which data can enter and come out of a program.

Answer (Please select your correct option)

☐ Streams



☐ Fields

☐ Variables

☐ Header files

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Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

All structure elements are _____ by default.

Answer (Please select your correct option)

☐ Public

☐ Protected

☐ Private

☐ Public and Private

Correct Answer Solved By Hadi

correct

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Question No : 16 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 : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

Computers can do _____ what we tell them to do.

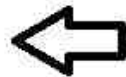
Answer (Please select your correct option)

☐ More than

☐ Less than

☒ Exactly

☐ Similar



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Question No : 18 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



☐ 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 : 19 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 : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

Base address is the memory address of _____ element of an array.

Answer (Please select your correct option)

☐ 1st



☐ 2nd

☐ 3rd

☐ 4th

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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

What happens if the file 'myfile.txt' does not exist and we still try to open it using the function `file.open("myfile.txt", ios.out)`?

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



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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Write down the output of the following code segment?

```
int x[10] = {0,1, 2, 3, 4, 5, 6, 7, 8, 9};  
int *xptr;  
xptr = &x[5];  
cout << *(xptr++) + 1;
```

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



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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

Suppose if we want to store values like 10, 45.3, 4, A, D, 6.4, and 50 by using array. Can we store all these elements by declaring a single array? Yes or no ? Give reason to support your answer.

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 for the declaration of a function named getMax which takes a 2D array of integers(3x3 dimension) as its parameter and returns a double pointer to an integer.

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



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Write a C/C++ program which defines an array of 15 characters and fills the array with string "12players2teams". Then using character handling functions, counts the number of digits and alphabets in the string and displays on the screen.

Sample output of program:

Number of digits in string: 3

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

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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Write a C/C++ program which defines an array of 15 characters and fills the array with string "12players2teams". Then using character handling functions, counts the number of digits and alphabets in the string and displays on the screen.

Sample output of program:

Number of digits in string: 3

Number of alphabets in string: 12

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



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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

Write a code segment that displays the diagonal elements of a matrix of $N \times N$, where N can be any number and represents dimensions of matrix.

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

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