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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

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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 # 2 of 30 (Start time: 10:10:01 AM, 31 December 2020)

Total Marks: 1

_____ of a variable means the locations within a program from where it can be accessed.

Select the correct option

☐	Data type	
☐	Visibility	
☐	Value	
☒	Reference	

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Question # 1 of 30 (Start time: 09:24:22 AM, 31 December 2020)

Total Marks: 1

Which one of the following is used to perform bit-wise OR operation?

Select the correct option

☐		
☐	^	
☒		
☐	~	

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Question # 24 of 30 (Start time: 10:28:17 AM, 31 December 2020)

Total Marks: 1

What will be the size of the following character array?
char name[] = "Adeel";

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Select the correct option

☒	5	
☐	6	
☐	4	
☐	7	

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Question # 19 of 30 (Start time: 09:48:59 AM, 31 December 2020)

Total Marks: 1

The data in the memory is _____.

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Select the correct option

☒	volatile	
☐	non-volatile	
☐	both	
☐	none	

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Question # 15 of 30 (Start time: 09:43:10 AM, 31 December 2020)

Total Marks: 1

_____ contains functions for manipulations of character data.

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Select the correct option

☒	ctype.h	
☐	iostream.h	
☐	string.h	
☐	None of the given	

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Question # 28 of 30 (Start time: 10:32:43 AM, 31 December 2020)

Total Marks: 1

Which of the following is not a file opening mode_____?

Select the correct option

☐	ios::ate	
☐	ios::nocreate	
☐	ios::noreplace	
☒	ios::truncate	

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Question # 2 of 30 (Start time: 09:26:05 AM, 31 December 2020)

Total Marks: 1

What will be the output of following code segment?

```
for (int i = 2; i < 10; i++){  
    if ( i == 5)  
        continue;  
    cout << i << " ";  
}
```

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Select the correct option

☐	2,3,7,8,9	
☒	2,3,4,6,7,8,9	
☐	2,3,4	
☐	4,6,7,8,9	

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Question # 24 of 30 (Start time: 09:54:12 AM, 31 December 2020)

Total Marks: 1

Declaration of two-dimensional array of integers having 3 rows and 5 columns is following?

Select the correct option

☒	int arr [3][5];
☐	int arr {5}{3};
☐	int [3].[5] arr;
☐	int [5][3 arr];

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Question # 14 of 30 (Start time: 10:20:11 AM, 31 December 2020)

Total Marks: 1

To manipulate n-dimensional array _____ nested loops are required.

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Select the correct option

☐	n-2
☒	n-1
☐	n+1
☐	n

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Question # 8 of 30 (Start time: 09:34:12 AM, 31 December 2020)

Total Marks: 1

_____ are conventional names of the command line parameters of the 'main()' function.

Select the correct option

- | | | |
|----------------------------------|-------------------|--|
| ☐ | 'argv' and 'argc' | |
| ☒ | 'argc' and 'argv' | |
| ☐ | 'argc' and 'argu' | |
| ☐ | None of the given | |

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Question # 8 of 30 (Start time: 10:14:56 AM, 31 December 2020)

Total Marks: 1

Array indexes start from _____.

Select the correct option

☒	0
☐	1
☐	2
☐	3

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Question # 11 of 30 (Start time: 09:37:15 AM, 31 December 2020)

Total Marks: 1

When the break statement is encountered in a loop's body, it transfers the control _____ from the current loop.

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Select the correct option

☒	Inside	
☐	Outside	
☐	To break statement	
☐	To continue statement	

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Question # 3 of 30 (Start time: 10:11:05 AM, 31 December 2020)

Total Marks: 1

When we access a multidimensional array, each array index is surrounded by _____.

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Select the correct option

☐	Single quotes ''	
☐	Double quotes ""	
☒	Brackets []	
☐	Commas ,	

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Question # 3 of 30 (Start time: 09:27:43 AM, 31 December 2020)

Total Marks: 1

It is the job of _____ to transfer the executable code from hard disk to main memory.

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Select the correct option

☐	Interpreter
☐	Debugger
☐	Linker
☒	Loader

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Question # 21 of 30 (Start time: 10:25:51 AM, 31 December 2020)

Total Marks: 1

Function prototype is written,

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Select the correct option

- | | | |
|----------------------------------|-------------------------------------|--|
| ☐ | Within main function | |
| ☐ | After the return statement in main | |
| ☐ | Before the return statement in main | |
| ☒ | Before call of that function | |

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Question # 30 of 30 (Start time: 10:34:34 AM, 31 December 2020)

Total Marks: 1

We use _____ to open a file or stream for extraction

Select the correct option

☒	in	
☐	out	
☐	app	
☐	ate	

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Question # 20 of 30 (Start time: 09:50:16 AM, 31 December 2020)

Total Marks: 1

What will be output of the following code?
string name[4] = {"Ali", "Bilal", "Omer", "Ayesha"};
cout << name[2];

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Select the correct option

☐	Omer
☐	Ali
☒	Bilal
☐	Ayesha

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Question # 16 of 30 (Start time: 10:21:51 AM, 31 December 2020)

Total Marks: 1

_____ function is used to determine the next position to write a character while writing into a file.

Select the correct option

- | | | |
|----------------------------------|---------|---|
| ☐ | tellg() | / |
| ☐ | seekg() | / |
| ☐ | seekp() | / |
| ☒ | tellp() | / |

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Question # 26 of 30 (Start time: 10:29:39 AM, 31 December 2020)

Total Marks: 1

In if structure the block of statements executes when the condition is ____.

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Select the correct option

☐	Contains logical operator	
☐	Contains arithmetic operator	
☐	False	
☒	True	

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Question # 14 of 30 (Start time: 09:41:15 AM, 31 December 2020)

Total Marks: 1

Which is the correct syntax to define a structure named 'student'?

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Select the correct option

☐

```
structure student(  
//variables  
);
```

☐

```
struct student(  
//variables  
);
```

☐

```
structure student(  
//variables  
);
```

☒

```
struct student(  
//variables  
);
```

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Question # 17 of 30 (Start time: 10:22:32 AM, 31 December 2020)

Total Marks: 1

The statement cout << yptr will show the _____ the yptr points to.

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Select the correct option

☐	Value	
☒	memory address	
☐	Variable	
☐	None of the given	

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Question # 16 of 30 (Start time: 09:44:49 AM, 31 December 2020)

Total Marks: 1

What will be the value of variable "input" if the initial value of input is 67?

```
if(input >= 50)
    input = input + 1;
else
    input = input - 1;
```

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Select the correct option

- | | | |
|----------------------------------|----|--|
| ☒ | 68 | |
| ☐ | 69 | |
| ☐ | 70 | |
| ☐ | 66 | |

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Question # 22 of 30 (Start time: 09:51:58 AM, 31 December 2020)

Total Marks: 1

_____ will explain the functionality of a program.

Select the correct option

☒	Comments
☐	Debugger
☐	Compiler
☐	Linker

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Question # 10 of 30 (Start time: 10:16:33 AM, 31 December 2020)

Total Marks: 1

_____ data type can operate on modulus operator.

Select the correct option

☒	int
☐	float
☐	char
☐	double

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Question # 12 of 30 (Start time: 10:18:32 AM, 31 December 2020)

Total Marks: 1

In _____, we have different data members and all of these have their own memory space.

Select the correct option

☒	structures
☐	union
☐	construct
☐	None of the given

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Question # 5 of 30 (Start time: 09:30:34 AM, 31 December 2020)

Total Marks: 1

In two-dimensional array, we use _____ 'for loop(s)' to populate the array.

Select the correct option

☐	1
☒	2
☐	3
☐	4

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Question # 29 of 30 (Start time: 10:33:34 AM, 31 December 2020)

Total Marks: 1

To perform repetition tasks for a known number of repetitions, most often used structure is _____.

Select the correct option

☒	For structure
☐	While structure
☐	Do-while structure
☐	None of the above

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Question # 23 of 30 (Start time: 09:53:21 AM, 31 December 2020)

Total Marks: 1

If int a = 50; then the value of a/= 3; will be,

Select the correct option

☐	15
☐	18
☒	16
☐	17

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Question # 10 of 30 (Start time: 09:36:08 AM, 31 December 2020)

Total Marks: 1

In do while loop the condition is checked _____ one execution of loop.

Select the correct option

☒	After
☐	Before
☐	During
☐	At any time

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Question # 4 of 30 (Start time: 09:29:12 AM, 31 December 2020)

Total Marks: 1

Transpose of a matrix means that when we interchange rows and columns_____

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Select the correct option

- | | | |
|----------------------------------|--|--|
| ☐ | the first row becomes the Last column | |
| ☒ | the first row becomes the first column | |
| ☐ | the Last row becomes the first column | |
| ☐ | the first column becomes the first row | |

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Question # 17 of 30 (Start time: 09:46:00 AM, 31 December 2020)

Total Marks: 1

All elements of an array must be of _____ data type(s).

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Select the correct option:

☒	char and int	0/1
☐	Same	0/1
☐	Different	0/1
☐	float and double	0/1

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Question # 25 of 30 (Start time: 10:28:40 AM, 31 December 2020)

Total Marks: 1

While loop becomes infinite in which scenario _____

Select the correct option

- | | | |
|----------------------------------|---|--|
| ☒ | When the condition is always False | A Good Education is a Foundation For a Better Future
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| ☐ | When the condition is always True | |
| ☐ | Condition contains logical operators | |
| ☐ | Condition contains arithmetic operators | |

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Question # 7 of 30 (Start time: 09:32:59 AM, 31 December 2020)

Total Marks: 1

If a file is opened with ios::out mode, then _____.

Select the correct option

- | | |
|----------------------------------|----------------------------|
| ☒ | file is deleted |
| ☐ | we can write in this file. |
| ☐ | content of file discarded |
| ☐ | a new file is created |

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Question # 13 of 30 (Start time: 09:39:53 AM, 31 December 2020)

Total Marks: 1

While handling files, one can have _____ options.

Select the correct option

- | | |
|----------------------------------|---------------------------------|
| ☐ | read the file |
| ☐ | write in some file |
| ☐ | read and write in the same file |
| ☒ | All of the given |

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Question # 18 of 30 (Start time: 09:47:28 AM, 31 December 2020)

Total Marks: 1

In while loop the condition is checked _____ the execution of loop.

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Select the correct option

☐	After
☒	Before
☐	During
☐	At any time

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Question # 6 of 30 (Start time: 10:13:49 AM, 31 December 2020)

Total Marks: 1

Operating System is a type of _____ software.

Select the correct option

- | | |
|----------------------------------|---------------|
| ☐ | Device Driver |
| ☐ | Application |
| ☒ | System |
| ☐ | Utility |

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