

**CS201 MIDTERM (GRAND QUIZ) SOLVED BY
HADI**

CORRECT ANSWER SOLVED BY HADI

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Question # 2 of 30 (Start time: 02:14:14 AM, 05 July 2020)

_____ is used for input file or for reading from the file.

Select the correct option

☒	tellg()
☐	seekg()
☐	tellp()
☐	seekp()

Question # 3 of 30 (Start time: 02:15:35 AM, 05 July 2020)

Following is the declaration a _____ array. `int arr[2][2][2];`

Select the correct option

☐	1-Dimensional
☐	2-Dimensional
☒	3-Dimensional
☐	None of the given

Question # 4 of 30 (Start time: 02:16:19 AM, 05 July 2020)

!(x < 3) means in C++ that

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Select the correct option

☐	x is less than 3
☐	x is greater than or equal to 3
☒	x is greater than 3
☐	x is equal to 3

Question # 5 of 30 (Start time: 02:16:43 AM, 05 July 2020)

Which of the following option is correct to complete the declaration of the function?

_____ (parameter1, parameter2)

```
{  
  // code to be executed  
}
```

Select the correct option

☒	void functionName
☐	int functionName;
☐	functionName void
☐	void (functionName)

Question # 6 of 30 (Start time: 02:17:49 AM, 05 July 2020)

ofstream is used for _____

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Select the correct option

☐	Input file stream
☒	Output file stream
☐	Input and output file stream
☐	All of the given

Question # 7 of 30 (Start time: 02:18:33 AM, 05 July 2020)

By default, the starting index of an array in C++ is _____.

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | 2 |
| ☐ | -1 |
| ☒ | 0 |
| ☐ | 1 |

Question # 8 of 30 (Start time: 02:18:47 AM, 05 July 2020)

How we declare an array of integer data whose size is 20 with array name "count".

Select the correct option

- | | |
|----------------------------------|------------------|
| ☐ | int count[19]; |
| ☒ | int count[20]; |
| ☐ | float count[20]; |
| ☐ | int count[21]; |

Question # 9 of 30 (Start time: 02:19:09 AM, 05 July 2020)

Which of the following is a reserve word for data types in C/C++?

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Select the correct option

☐	integer
☒	int
☐	character
☐	doubles



Question # 10 of 30 (Start time: 02:19:37 AM, 05 July 2020)

C was developed with the help of _____ language(s).

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Select the correct option

☐	BCPL
☐	B
☒	BCPL and B
☐	none of the above

An object of _____ class can be created for saving the current position of any opened file before reading from the file.

Select the correct option

☐	Stream
☐	Filepos
☒	Streampos
☐	Filestream

Question # 12 of 30 (Start time: 02:21:38 AM, 05 July 2020)

C++ is a _____ language.

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Select the correct option

☒	High level
☐	Low level
☐	Machine
☐	Fourth Generation

Question # 13 of 30 (Start time: 02:21:49 AM, 05 July 2020)

In while loop, the loop counter is initialized at _____.

Select the correct option

- | | |
|----------------------------------|--------------------------|
| ☐ | Inside the loop |
| ☒ | Before entering the loop |
| ☐ | After the loop |
| ☐ | At any place |

Question # 14 of 30 (Start time: 02:22:45 AM, 05 July 2020)

What is the output of the following code if the 3rd case is true

```
switch (var)
{
case 'a':
cout<<"apple"<<endl;
```

Select the correct option

☒	mango
☐	mango any fruit
☐	apple
☐	none of the above

Question # 15 of 30 (Start time: 02:23:43 AM, 05 July 2020)

_____character is used to indicate the end of the string.

Select the correct option

- | | |
|----------------------------------|-------------|
| ☐ | New line |
| ☐ | Blank space |
| ☒ | Null |
| ☐ | E |

Question # 16 of 30 (Start time: 02:24:17 AM, 05 July 2020)

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

Select the correct option

☒	
☐	^
☐	
☐	~

Question # 17 of 30 (Start time: 02:25:01 AM, 05 July 2020)

If $x = 11$, and $x \% = 3$, then value of x will be _____.

Select the correct option

☐	11
☐	3
☒	2
☐	0

Question # 18 of 30 (Start time: 02:26:25 AM, 05 July 2020)

A variable of character data type occupies _____ bytes in memory.

Select the correct option

☒	1
☐	2
☐	4
☐	8

Question # 19 of 30 (Start time: 02:26:38 AM, 05 July 2020)

Null character is represented by _____ in C++.

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | /0 |
| ☒ | \0 |
| ☐ | \n |
| ☐ | \t |

Question # 20 of 30 (Start time: 02:26:50 AM, 05 July 2020)

In computer systems there are mainly _____ type of softwares.

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Select the correct option

☐	1
☒	2
☐	3
☐	4

Question # 21 of 30 (Start time: 02:27:44 AM, 05 July 2020)

There is a pointer variable named ptr of type float. Which type of variable address can be stored by ptr?

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Select the correct option

☐	int
☒	float
☐	char
☐	double

Question # 22 of 30 (Start time: 02:28:35 AM, 05 July 2020)

A character is stored in the memory in _____

Select the correct option

☒	byte
☐	integer
☐	string
☐	None of the given

Question # 23 of 30 (Start time: 02:28:47 AM, 05 July 2020)

X is an integer variable; what does X++ means,

Select the correct option

- | | |
|----------------------------------|----------------------------|
| ☐ | Add 1 two times in X value |
| ☒ | Add 1 in X value |
| ☐ | Add 2 in X value |
| ☐ | None of these |

Question # 24 of 30 (Start time: 02:29:18 AM, 05 July 2020)

When we call a function, its control

Select the correct option

- | | |
|----------------------------------|---|
| ☐ | transfers to its Prototype |
| ☒ | transfers to its definition |
| ☐ | returns to statement following function call |
| ☐ | The compiler stops execution of whole program |

Question # 25 of 30 (Start time: 02:30:47 AM, 05 July 2020)

'\0' takes _____ space in the memory.

Select the correct option

☒	1 Byte
☐	2 Bytes
☐	4 Bytes
☐	8 Bytes

Question # 26 of 30 (Start time: 02:31:30 AM, 05 July 2020)

_____ will be used for enclosing function statements into a block.

Select the correct option

- | | |
|----------------------------------|-----|
| ☐ | "" |
| ☐ | () |
| ☐ | [] |
| ☒ | { } |

Question # 27 of 30 (Start time: 02:31:57 AM, 05 July 2020)

How can we declare an array of characters whose size is 12 with array name "country"?

Select the correct option

☒	<code>char country[12];</code>
☐	<code>char country[11];</code>
☐	<code>char [12] country;</code>
☐	<code>char country[0-11];</code>

Question # 28 of 30 (Start time: 02:32:15 AM, 05 July 2020)

Following is the declaration of a 2D array, how many columns are declared for this array.
`int arr[3][2];`

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | 3 |
| ☒ | 2 |
| ☐ | 32 |
| ☐ | 23 |

Question # 29 of 30 (Start time: 02:32:29 AM, 05 July 2020)

If we assign 2.06721 to an integer variable x, what will be the output if we print x using `cout<<` statement?

Select the correct option

- | | |
|----------------------------------|------|
| ☒ | 2 |
| ☐ | 2.1 |
| ☐ | 2.06 |
| ☐ | 2.07 |

Question # 30 of 30 (Start time: 02:32:43 AM, 05 July 2020)

We can access a global variable _____

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| ☐ | From the functions only |
| ☐ | From the loops only |
| ☐ | From the main() function only |
| ☒ | From anywhere in the program |

We use _____ to include all those functions in our program which are located in different files.

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Select the correct option

☒	Linker
☐	Loader
☐	Compiler
☐	Debugger

Question # 2 of 30 (Start time: 02:48:03 AM, 05 July 2020)

A character is stored in the memory in _____

Select the correct option

☒	byte
☐	integer
☐	string
☐	None of the given

Question # 3 of 30 (Start time: 02:48:17 AM, 05 July 2020)

Which is not true regarding structures?

Select the correct option

- | | |
|-------------------------------------|---|
| ☒ | a) We can declare arrays of structure |
| ☐ | b) We can take the size of structure |
| ☐ | c) We can't declare pointers to structure |
| ☐ | d) Both b & c |

 Save

Question # 4 of 30 (Start time: 02:49:49 AM, 05 July 2020)

Following is the declaration of a 2D array, how many columns are declared for this array.
`int arr[3][2];`

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | 3 |
| ☒ | 2 |
| ☐ | 32 |
| ☐ | 23 |

Mr. Ahmad sleeps thirty hours every day. This sentence is _____.

Select the correct option

☐	Grammatically incorrect
☒	Grammatically correct but illogical
☐	Illogical and grammatically incorrect
☐	Logical and grammatically correct

_____ will explain the function of a program.

Select the correct option

☒	Comments
☐	Debugger
☐	Compiler
☐	Linker

Question # 7 of 30 (Start time: 02:51:05 AM, 05 July 2020)

char **argv can be read as _____.

Select the correct option

☐	pointer to pointer
☐	pointer to char
☒	pointer to pointer to char
☐	None of the given

Question # 8 of 30 (Start time: 02:52:02 AM, 05 July 2020)

What will be output of the following code?

```
string name[4] = {"Ali", "Bilal", "Omer", "Ayesha"};  
cout << name[0];
```

Select the correct option

☒	Ali
☐	Bilal
☐	Omer
☐	Ayesha

!(x > 3) means in C++ that

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Select the correct option

- | | |
|----------------------------------|------------------------------|
| ☐ | x is greater than 3 |
| ☐ | x is less than or equal to 3 |
| ☒ | x is less than 3 |
| ☐ | x is equal to 3 |

Question # 10 of 30 (Start time: 02:52:43 AM, 05 July 2020)

The data type before a function name represents its,

Select the correct option

☒	Return Type
☐	Function data
☐	Function arguments
☐	Function name

Question # 11 of 30 (Start time: 02:52:58 AM, 05 July 2020)

The expression $((a + b) == 10) \parallel ((x + y) == 20)$ is true only if

Select the correct option

- | | |
|----------------------------------|---|
| ☒ | Either $((a + b) == 10)$ OR $((x + y) == 20)$ is true |
| ☐ | Both $((a + b) == 10)$ AND $((x + y) == 20)$ are true |
| ☐ | $((a + b) == 10)$ is true |
| ☐ | $((x + y) == 20)$ is true |

we have opened a file stream myfile for reading (getting), myfile.tellg () gives us the current get position of the file pointer. It returns a whole number of type _____

Select the correct option

☒	long	//
☐	int	//
☐	short	//
☐	double	//

Question # 13 of 30 (Start time: 02:54:27 AM, 05 July 2020)

= operator is used for _____.

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| ☐ | Decision making |
| ☒ | Assigning values to variables |
| ☐ | Checking equality |
| ☐ | Comparison |

Question # 15 of 30 (**Start time: 02:56:33 AM, 05 July 2020**)

What is the use of ios::trunc mode?

Select the correct option

- | | |
|----------------------------------|--------------------------------------|
| ☐ | To open a file in input mode |
| ☐ | To open a file in output mode |
| ☐ | To truncate an existing file to half |
| ☒ | To truncate an existing file to zero |

X is an integer variable; what does X++ means,

Select the correct option

☐	Add 1 two times in X value
☒	Add 1 in X value
☐	Add 2 in X value
☐	None of these

Question # 17 of 30 (Start time: 02:57:49 AM, 05 July 2020)

Structures use _____ allocation.

Select the correct option

☐	Queue
☒	Heap
☐	Cache
☐	Stack

Question # 18 of 30 (Start time: 02:59:19 AM, 05 July 2020)

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```
void myClass()
{
void myClass2()
{ cout << "I am student of BSIT.\n"; }
int main()
{ myClass2();
  myClass(); }
```

Select the correct option

☐	I am student of BSCS.
☐	I am student of BSIT.
☒	I am student of BSIT. I am student of BSCS.
☐	I am student of BSCS. I am student of BSIT.

Question # 19 of 30 (Start time: 03:00:18 AM, 05 July 2020)

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

Select the correct option

☐	5
☒	6
☐	4
☐	7

Question # 20 of 30 (**Start time: 03:00:56 AM, 05 July 2020**)

A _____ is an array of characters that can store number of character specified.

Select the correct option

☐	Char
☒	String
☐	Multidimensional array
☐	Data type

Question # 21 of 30 (Start time: 03:01:28 AM, 05 July 2020)

_____ statement is used to terminate the processing of a particular case and exit from switch structure.

Select the correct option



if



goto



break



continue

Question # 22 of 30 (Start time: 03:02:02 AM, 05 July 2020)

If $y = 20$ and $z = y++$, then the value of z will be _____.

Select the correct option

☐	19
☐	20
☒	21
☐	22

Question # 23 of 30 (Start time: 03:02:21 AM, 05 July 2020)

```
If  
int a = 17;  
int b = 3;  
double c = a / b;  
What will be value of variable c?
```

Select the correct option

☐	5.5
☐	5.6
☒	5
☐	5.7

Question # 24 of 30 (Start time: 03:03:42 AM, 05 July 2020)

What will be the output of the following code?

```
string grade [3] = {"A", "B", "C"};  
grade[2] = "F";  
cout << grade[2];
```

Select the correct option

☐	A
☐	B
☐	C
☒	F

Question # 25 of 30 (**Start time: 03:05:06 AM, 05 July 2020**)

Before C, which language(s) were used to develop compilers?

Select the correct option

☐	BCPL
☐	B
☒	BCPL and B
☐	None of the above

Question # 27 of 30 (Start time: 03:06:47 AM, 05 July 2020)

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

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| ☒ | <code>int arr [3][5];</code> |
| ☐ | <code>int arr {5}{3};</code> |
| ☐ | <code>int [3],[5] arr;</code> |
| ☐ | <code>int [5][3 arr];</code> |

Question # 28 of 30 (Start time: 03:07:11 AM, 05 July 2020)

$a = a + 1$; can be written as _____.

Select the correct option

- | | |
|----------------------------------|---------------|
| ☐ | $a + 1$; |
| ☒ | $a += 1$; |
| ☐ | $a + a + 1$; |
| ☐ | $1 + a = a$; |

Question # 29 of 30 (Start time: 03:07:44 AM, 05 July 2020)

A record is a group of related

Select the correct option

☐	Data
☒	Fields
☐	Bytes
☐	Files

Question # 30 of 30 (Start time: 03:08:32 AM, 05 July 2020)

```
default:  
cout<<"any fruit"<<endl;  
}
```

Select the correct option

☒	mango
☐	mango any fruit
☐	apple
☐	none of the above

Question # 1 of 30 (Start time: 03:10:19 AM, 05 July 2020)

A character is stored in the memory in _____

Select the correct option

☒	byte
☐	integer
☐	string
☐	None of the given

Question # 2 of 30 (Start time: 03:10:35 AM, 05 July 2020)

What will be the result of arithmetic expression $6+48/4*3$?

Select the correct option

- | | |
|----------------------------------|------|
| ☐ | 10 |
| ☐ | 40.5 |
| ☒ | 42 |
| ☐ | 41 |

_____ Construct is used to execute a set of instructions when a condition is true and other set when it is false.

Select the correct option

☐	If
☐	else
☒	if/else
☐	else/if

Question # 4 of 30 (Start time: 03:11:12 AM, 05 July 2020)

If an array has 50 elements, what is allowable range of subscripts?

Select the correct option

☒	0 - 49
☐	1 - 49
☐	0 - 50
☐	1 - 50

Question # 5 of 30 (Start time: 03:12:07 AM, 05 July 2020)

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

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | 15 |
| ☐ | 18 |
| ☒ | 16 |
| ☐ | 17 |

Question # 6 of 30 (Start time: 03:13:16 AM, 05 July 2020)

Which of the following option is/are correct about array?

Select the correct option

- | | |
|----------------------------------|--|
| ☐ | Different types of elements can store in an array. |
| ☒ | Only one type of elements can store in an array. |
| ☐ | Elements in an array cannot be sorted. |
| ☐ | All the given options |

Question # 7 of 30 (Start time: 03:13:54 AM, 05 July 2020)

Whenever some number is added in an array name, it will jump as many _____ as the added number.

Select the correct option

☒	rows
☐	value
☐	column
☐	None of the given

```
void myClass()
{ cout << "I am student of BSCS.\n"; }
void myClass2()
{ cout << "I am student of BSIT.\n"; }
int main()
{ myClass2();
  myClass(); }
```

Select the correct option

- | | |
|----------------------------------|--|
| ☐ | I am student of BSCS. |
| ☐ | I am student of BSIT. |
| ☒ | I am student of BSIT.
I am student of BSCS. |
| ☐ | I am student of BSCS.
I am student of BSIT. |

Question # 9 of 30 (**Start time: 03:15:04 AM, 05 July 2020**)

_____ Returns true if c is a digit or a letter and false otherwise.

Select the correct option

- | | |
|----------------------------------|-----------------------|
| ☐ | int isalpha(int c) |
| ☒ | int isalnum(int c) |
| ☐ | int isxdigit(int c) |
| ☐ | int isdigit(int c) |

Question # 10 of 30 (Start time: 03:15:47 AM, 05 July 2020)

Which of the following is the default mode of the opening using the ofstream class?

Select the correct option

- | | |
|----------------------------------|------------|
| ☐ | ios::in |
| ☐ | ios::out |
| ☐ | ios::app |
| ☒ | ios::trunc |

In which language the compiler of C language is written?

Select the correct option

☐	Java
☐	Fortran
☐	Basic
☒	C

Question # 12 of 30 (Start time: 03:17:26 AM, 05 July 2020)

While loop executes at least,

Select the correct option

☐	Zero time
☒	One time
☐	N Time
☐	None of these

Question # 13 of 30 (Start time: 03:17:47 AM, 05 July 2020)

Strings are accessed by variable of type _____.

Select the correct option

☒	char
☐	int
☐	double
☐	None of the given

Question # 14 of 30 (Start time: 03:18:37 AM, 05 July 2020)

Which of the following is the correct operator to compare the values of two variables?

Select the correct option

☐	<code>!=</code>
☐	<code>=</code>
☐	<code>*=</code>
☒	<code>==</code>

Question # 15 of 30 (Start time: 03:18:52 AM, 05 July 2020)

NOT operator is a _____

Select the correct option

☒	Single input operator
☐	Binary operator
☐	Ternary operator
☐	None of the given

Question # 16 of 30 (Start time: 03:20:08 AM, 05 July 2020)

Pointer points to a particular_____.

Select the correct option

☐	Value
☐	variable
☐	data type
☒	memory address

A function is a block of statements that can be defined once and used _____ in the program.

Select the correct option

☐	One time
☐	Two times
☐	Three times
☒	As many times as user wants

Question # 18 of 30 (**Start time: 03:20:51 AM, 05 July 2020**)

_____ function is used to find the number of characters in a string.

Select the correct option

- | | |
|----------------------------------|-------------|
| ☐ | str() |
| ☐ | str_len() |
| ☐ | strlength() |
| ☒ | strlen() |

Question # 19 of 30 (Start time: 03:21:11 AM, 05 July 2020)

!= operator is used to check whether the operand on the left-hand-side is _____ to the operand on the right-hand-side.

Select the correct option

☐	Less than or equal
☐	Greater than or equal
☒	Not equal
☐	Approximately equal to

Question # 20 of 30 (Start time: 03:21:26 AM, 05 July 2020)

A while loop may execute _____ or more times.

Select the correct option

- | | |
|----------------------------------|---|
| ☒ | 0 |
| ☐ | 1 |
| ☐ | 2 |
| ☐ | 3 |

Question # 21 of 30 (Start time: 03:22:06 AM, 05 July 2020)

How we declare an array of integer data whose size is 20 with array name "count".

Select the correct option

- | | |
|----------------------------------|------------------|
| ☐ | int count[19]; |
| ☒ | int count[20]; |
| ☐ | float count[20]; |
| ☐ | int count[21]; |

Question # 22 of 30 (Start time: 03:22:37 AM, 05 July 2020)

A variable declared within a code block becomes _____ variable for that block.

Select the correct option

☐	Static
☐	Integer
☒	Local
☐	Global

Question # 24 of 30 (Start time: 03:24:42 AM, 05 July 2020)

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

Select the correct option

☒

|

☐

^

☐

||

☐

~

Question # 25 of 30 (**Start time: 03:24:53 AM, 05 July 2020**)

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 |

Question # 26 of 30 (Start time: 03:25:45 AM, 05 July 2020)

A function's prototype is written _____ the function call.

Select the correct option

☐	After
☒	Before
☐	With
☐	At the end of

_____ loop is mostly used to perform repetition of a tasks for a known number of times.

Select the correct option

☐	While
☐	Do-While
☒	For
☐	Nested Loop

Question # 28 of 30 (Start time: 03:26:54 AM, 05 July 2020)

In shifting operations if zero is inserted at the left most bit, the negative number will become a _____ number.

Select the correct option

☒	Positive
☐	Negative
☐	Absolute
☐	Smaller

Question # 30 of 30 (Start time: 03:27:51 AM, 05 July 2020)

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

Select the correct option

☐	Interpreter
☐	Debugger
☐	Linker
☒	Loader

Question # 1 of 30 (Start time: 03:53:34 AM, 05 July 2020)

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

Select the correct option

☐

||

☐

^

☒

|

☐

~

Question # 2 of 30 (Start time: 03:54:21 AM, 05 July 2020)

RAID stands for_____.

Select the correct option

- | | |
|----------------------------------|---|
| ☐ | Redundant Array of Inexpensive Dices |
| ☒ | Redundant Array of Inexperience Devices |
| ☐ | Redundant Array of Inexpensive Devices |
| ☐ | Reduced Array of Inexpensive Devices |

Question # 3 of 30 (Start time: 03:54:48 AM, 05 July 2020)

Array indexes start from _____.

Select the correct option

☒

0

☐

1

☐

2

☐

3

Question # 7 of 30 (Start time: 03:57:47 AM, 05 July 2020)

In call by reference, _____ of a variable is passed to the called function.

Select the correct option

☐	Name
☐	Data type
☐	Value
☒	Address

Question # 11 of 30 (Start time: 04:00:08 AM, 05 July 2020)

_____ character is used to indicate the end of the string.

Select the correct option

☐	New line
☐	Blank space
☒	Null
☐	E

Question # 13 of 30 (Start time: 04:00:43 AM, 05 July 2020)

How many times the following do-while loop will execute?

```
int k = 10;  
  
do  
{  
    cout << "Statements" << endl;
```

Select the correct option

- | | |
|----------------------------------|---|
| ☐ | 4 |
| ☐ | 5 |
| ☒ | 6 |
| ☐ | 7 |

Question # 14 of 30 (Start time: 04:01:22 AM, 05 July 2020)

The name of a location in memory is called _____.

Select the correct option

☐	Constant
☒	Variable
☐	Cell
☐	Number

_____ function is used to find the number of characters in a string.

Select the correct option

☐	str()
☐	str_len()
☐	strlength()
☒	strlen()

Which statement is used to close a file?

Select the correct option



`myFile.off();`



`myFile.shut();`



`myFile.closefile();`



`myFile.close();`

Question # 19 of 30 (Start time: 04:04:29 AM, 05 July 2020)

_____ allow us to have a memory location and use it as int or char interchangeably

Select the correct option

☐	structures
☐	union
☐	construct
☒	None of the given

Question # 20 of 30 (**Start time: 04:05:52 AM, 05 July 2020**)

While handling files, one can have _____ options

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Select the correct option

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

Question # 21 of 30 (Start time: 04:06:21 AM, 05 July 2020)

_____function give the position of the next character to be read from that file.

Select the correct option

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

Question # 22 of 30 (Start time: 04:07:46 AM, 05 July 2020)

Total Marks:

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()	//

Question # 24 of 30 (Start time: 04:09:06 AM, 05 July 2020)

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

Select the correct option

☐	<pre>structure student(//variables);</pre>
☐	<pre>struct student(//variables);</pre>
☐	<pre>structure student{ //variables };</pre>
☒	<pre>struct student{ //variables };</pre>

Question # 25 of 30 (Start time: 04:09:47 AM, 05 July 2020)

< and > both are _____ operators.

Select the correct option

- | | |
|----------------------------------|--------------|
| ☐ | Arithmetic |
| ☐ | Relational |
| ☒ | Logical |
| ☐ | Mathematical |

Question # 30 of 30 (Start time: 04:13:07 AM, 05 July 2020)

Structures use _____ allocation.

Select the correct option

☐	Queue
☒	Heap
☐	Cache
☐	Stack

Question # 1 of 30 (Start time: 04:19:33 AM, 05 July 2020)

Identify the logical error in the following if condition
If ((i < 5) && (i > 15))

Select the correct option

- | | |
|----------------------------------|-------------------------------------|
| ☐ | Condition is always true |
| ☒ | Condition is always false |
| ☐ | & will be used instead of && |
| ☐ | && cannot be used with if condition |

NOT operator is a _____

Select the correct option

☒	Single input operator
☐	Binary operator
☐	Ternary operator
☐	None of the given

Question # 3 of 30 (Start time: 04:20:29 AM, 05 July 2020)

The use of * sign in first and second statements is called _____ and _____ of pointer.

```
int *ptr = &x;
```

```
cout<<*ptr;
```

Select the correct option

☒	referencing, dereferencing
☐	dereferencing, referencing
☐	referencing, referencing
☐	dereferencing, dereferencing

Question # 4 of 30 (Start time: 04:20:56 AM, 05 July 2020)

C is widely known as development language of _____ operating system.

Select the correct option

☒	Linux
☐	Unix
☐	Windows
☐	Mac OS

Question # 6 of 30 (Start time: 04:23:41 AM, 05 July 2020)

If x is declare as an integer, what will be result of the given expression?

$x = 2 + 3 * 5 \% 2 + 3 / 2$

Select the correct option

☒

4

☐

2

☐

4.5

☐

5

Question # 7 of 30 (Start time: 04:24:54 AM, 05 July 2020)

What will be the correct syntax of declaration of the following statement?
" ptr is a pointer to const int "

Select the correct option

- | | |
|----------------------------------|-----------------|
| ☐ | int const* ptr |
| ☐ | int * const ptr |
| ☒ | const int *ptr |
| ☐ | const* int ptr |

Question # 9 of 30 (**Start time: 04:25:36 AM, 05 July 2020**)

= operator is used for _____.

Select the correct option

☐	Decision making
☒	Assigning values to variables
☐	Checking equality
☐	Comparison

Question # 10 of 30 (Start time: 04:25:45 AM, 05 July 2020)

After evaluating the expression
 $x = 10 + 3 * 4 / 2 - 1$, the value of x will be

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | 25 |
| ☐ | 22 |
| ☐ | 52 |
| ☒ | 15 |

Question # 11 of 30 (Start time: 04:26:23 AM, 05 July 2020)

We can read, write and manipulate the same file using _____.

Select the correct option

- | | |
|----------------------------------|------------|
| ☐ | iostream.h |
| ☐ | stdio.h |
| ☒ | fstream.h |
| ☐ | iomanip.h |

Return type of a function that does not return any value must be _____.

Select the correct option

☐	char
☐	int
☒	void
☐	double

Question # 14 of 30 (Start time: 04:27:33 AM, 05 July 2020)

Pointers store the _____.

Select the correct option

☐

value of a variable

☒

memory address

☐

characters

☐

None of the given

Question # 15 of 30 (Start time: 04:27:47 AM, 05 July 2020)

Structures use _____ allocation.

Select the correct option

☐	Queue
☒	Heap
☐	Cache
☐	Stack

Question # 17 of 30 (Start time: 04:29:05 AM, 05 July 2020)

_____operator uses the sign ^.

Select the correct option

- | | |
|----------------------------------|--------------|
| ☐ | Bit-wise OR |
| ☒ | Exclusive OR |
| ☐ | AND Operator |
| ☐ | NOT operator |

Question # 18 of 30 (Start time: 04:29:31 AM, 05 July 2020)

To get the value stored at a memory address, we use the _____.

Select the correct option

- | | |
|----------------------------------|------------------------|
| ☐ | referencing operator |
| ☒ | dereferencing operator |
| ☐ | binary operator |
| ☐ | AND(&&) operator |

Question # 19 of 30 (**Start time: 04:29:46 AM, 05 July 2020**)

C++ is a _____ language.

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Select the correct option

☒	High level
☐	Low level
☐	Machine
☐	Fourth Generation

Question # 20 of 30 (Start time: 04:29:57 AM, 05 July 2020)

Telling a computer what to do is called _____.

Select the correct option

- | | |
|----------------------------------|--------------|
| ☐ | Designing |
| ☐ | Implementing |
| ☒ | Programming |
| ☐ | Compiling |

Question # 21 of 30 (Start time: 04:30:12 AM, 05 July 2020)

Null character is represented by _____ in C++.

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | /0 |
| ☒ | \0 |
| ☐ | \n |
| ☐ | \t |

Question # 22 of 30 (Start time: 04:30:23 AM, 05 July 2020)

There is a pointer variable named ptr of type float. Which type of variable address can be stored by ptr?

Select the correct option

☐	int
☒	float
☐	char
☐	double

Question # 23 of 30 (Start time: 04:30:37 AM, 05 July 2020)

A character is stored in the memory in _____

Select the correct option

☒	byte
☐	integer
☐	string
☐	None of the given

Question # 24 of 30 (Start time: 04:30:50 AM, 05 July 2020)

Compiler translates high level language program into _____ language code.

Select the correct option

☒	Machine
☐	Source code
☐	Java
☐	C#

Question # 25 of 30 (Start time: 04:31:01 AM, 05 July 2020)

Each array declaration must provide the information about all these things except _____.

Select the correct option

☐	Name of the array
☐	Type of data stored in the array
☒	The location of the first element to be stored
☐	Number of elements of the array

Question # 26 of 30 (**Start time: 04:31:28 AM, 05 July 2020**)

eof is used to check for the _____ of file when a file is being read.

Select the correct option

☐	Start
☒	End
☐	Middle
☐	Name

Question # 27 of 30 (Start time: 04:31:39 AM, 05 July 2020)

The result of $4\%3$ will be

Select the correct option

- | | |
|----------------------------------|------|
| ☐ | 2 |
| ☐ | 1.5 |
| ☒ | 1 |
| ☐ | 1.33 |

Question # 28 of 30 (Start time: 04:31:55 AM, 05 July 2020)

When the logical operator AND (&&) combine two expressions exp1 and exp2 then the result will be true only,

Select the correct option

- | | |
|----------------------------------|-------------------------------------|
| ☐ | When both exp1 and exp2 are false |
| ☒ | When both exp1 and exp2 are true |
| ☐ | When exp1 is true and exp2 is false |
| ☐ | When exp1 is false and exp2 is true |

Question # 29 of 30 (Start time: 04:32:12 AM, 05 July 2020)

'multi [3] [3]' element can also be accessed by '_____':

Select the correct option

- | | |
|----------------------------------|---------------------------|
| ☐ | $^{**}(\text{multi}+3)+3$ |
| ☒ | $^{*}(\text{multi}+3)+3$ |
| ☐ | $^{*}(\text{multi}+3)$ |
| ☐ | None of the given |

Question # 30 of 30 (Start time: 04:32:35 AM, 05 July 2020)

```
What is output of following code?  
int data[10] = {10,20,30,40,50,60,70,80,90,100};  
int *xptr = &data[4];  
int *yptr = &data[6];  
cout<<xptr + yptr++;
```

Select the correct option

- | | |
|----------------------------------|---------------|
| ☐ | 110 |
| ☒ | 120 |
| ☐ | 130 |
| ☐ | Syntax error. |

Question # 2 of 30 (Start time: 04:37:54 AM, 05 July 2020)

Which of the following is not the subcategory of the system software?

Select the correct option

- | | |
|----------------------------------|-------------------|
| ☐ | Operating system |
| ☐ | Device drivers |
| ☐ | Utilities |
| ☒ | None of the above |

Question # 3 of 30 (Start time: 04:38:30 AM, 05 July 2020)

We get $12 | 8 = \underline{\hspace{2cm}}$. Where "|" is (bit-wise OR)

Select the correct option

- | | |
|---|----|
| ☒ | 12 |
| ☐ | 10 |
| ☐ | 8 |
| ☐ | 14 |

Question # 4 of 30 (Start time: 04:38:43 AM, 05 July 2020)

_____ is a substitute of multiple if statement.

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☒ | If..elseif statement |
| ☐ | Continue statement |
| ☐ | Break statement |
| ☐ | Default statement |

Question # 5 of 30 (Start time: 04:39:02 AM, 05 July 2020)

Find out the logical error in following lines of code.

```
If (x = 10)  
cout << "x is 10";
```

Select the correct option

☐	10 should be enclosed in quotations
☐	There is no semicolon at the end of if condition
☒	Assignment operator should not be used for comparison
☐	Variable x should not be inside parenthesis

Question # 6 of 30 (Start time: 04:39:31 AM, 05 July 2020)

Which is not true regarding structures?

Select the correct option

- | | |
|----------------------------------|---|
| ☐ | a) We can declare arrays of structure |
| ☐ | b) We can take the size of structure |
| ☒ | c) We can't declare pointers to structure |
| ☐ | d) Both b & c |

Question # 7 of 30 (Start time: 04:40:34 AM, 05 July 2020)

_____ are used to compile the code.

Select the correct option

- | | |
|----------------------------------|----------|
| ☐ | Editors |
| ☐ | Debugger |
| ☐ | Linker |
| ☒ | Compiler |

Question # 8 of 30 (Start time: 04:40:45 AM, 05 July 2020)

```
#include <iostream>
#include <cstring>
using namespace std;
int main ()
{
    char str1[10] = "Hello";
    char str2[10] = "World";
```

Select the correct option

- | | |
|----------------------------------|----|
| ☐ | 5 |
| ☒ | 10 |
| ☐ | 11 |
| ☐ | 15 |

Question # 9 of 30 (Start time: 04:41:38 AM, 05 July 2020)

A _____ structure specifies that an action is to be repeated while some condition remains true.

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Select the correct option

☐	Control
☐	Logical
☒	Repetition
☐	Relational

Question # 10 of 30 (Start time: 04:42:02 AM, 05 July 2020)

In which language the compiler of C language is written?

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Select the correct option

☐	Java
☐	Fortran
☐	Basic
☐	C

Character strings are terminated by _____.

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Select the correct option

☒	<code>\0</code>
☐	<code>\o</code>
☐	<code>\n</code>
☐	<code>\t</code>

Question # 12 of 30 (Start time: 04:42:28 AM, 05 July 2020)

A function is a block of statements that can be defined once and used _____ in the program.

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Select the correct option

☐	One time
☐	Two times
☐	Three times
☒	As many times as user wants

Question # 13 of 30 (Start time: 04:42:39 AM, 05 July 2020)

What will be the output of the following code?

```
string grade [3] = {"A", "B", "C"};  
grade[2] = "F";  
cout << grade[2];
```

Select the correct option

☐	A
☐	B
☐	C
☒	F

Question # 14 of 30 (Start time: 04:43:46 AM, 05 July 2020)

_____ is used for output during the process of writing to the file.

Select the correct option

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

Question # 15 of 30 (Start time: 04:44:22 AM, 05 July 2020)

In case of two-dimensional array, if you add some number in a two-dimensional array name, it will jump to the next _____.

Select the correct option

☒	row
☐	column
☐	character
☐	array

Question # 16 of 30 (Start time: 04:44:40 AM, 05 July 2020)

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

Select the correct option

☐	After
☒	Before
☐	During
☐	At any time

Question # 17 of 30 (Start time: 04:45:22 AM, 05 July 2020)

Array indexes start from _____.

Select the correct option

☒	0
☐	1
☐	2
☐	3

Question # 19 of 30 (Start time: 04:46:35 AM, 05 July 2020)

Pointers store the _____.

Select the correct option

- | | |
|----------------------------------|---------------------|
| ☐ | value of a variable |
| ☒ | memory address |
| ☐ | characters |
| ☐ | None of the given |

Question # 20 of 30 (Start time: 04:46:41 AM, 05 July 2020)

Which step is **not not** performed during a proper program design?

Select the correct option

- | | |
|----------------------------------|--|
| ☐ | Analyze a problem statement, typically expressed as a word problem |
| ☐ | Formulate statements and comments in a precise language |
| ☒ | Write details about the performance of program |
| ☐ | Pay attention to detail |

Question # 22 of 30 (Start time: 04:48:39 AM, 05 July 2020)

What will be the correct syntax for declaration of the following statement?
"ptr is a constant pointer to an integer"

Select the correct option

☐	<code>const * int myptr;</code>
☐	<code>const int *myptr;</code>
☐	<code>int const *ptr;</code>
☒	<code>int *const ptr ;</code>

Question # 23 of 30 (Start time: 04:49:44 AM, 05 July 2020)

We can say that a pointer is a variable that holds the ____ address.

Select the correct option

☐	byte code
☐	source code
☒	memory
☐	compiler

Question # 24 of 30 (Start time: 04:49:56 AM, 05 July 2020)

When accessing a structure member, the identifier to the left of the dot operator is the name of _____.

Select the correct option

- | | |
|----------------------------------|--------------------|
| ☒ | Structure variable |
| ☐ | Structure member |
| ☐ | Structure tag |
| ☐ | Structure data |

Question # 26 of 30 (Start time: 04:52:02 AM, 05 July 2020)

Suppose we have a file with name "myfile.txt". What will be the correct syntax of file opening for input?

Select the correct option

- | | |
|----------------------------------|---|
| ☒ | <code>myFile.open("myfile.txt", ios::in);</code> |
| ☐ | <code>myFile.in("myfile.txt", ios::open);</code> |
| ☐ | <code>myFile.open("myfile.txt", ios::input);</code> |
| ☐ | <code>myFile.input("myfile.txt", ios::open);</code> |

Question # 27 of 30 (Start time: 04:52:42 AM, 05 July 2020)

What will be the value of the variable output in the given piece of code?

```
double output = 0;
```

```
output = (2 + 2) * 4 + 2 / (4 - 2);
```

Select the correct option

☐	15
☒	17
☐	12
☐	11

suppose we have `int y[10];`
To access the 4th element of the array we write _____

Select the correct option

☐	<code>y[4];</code>
☒	<code>y[3];</code>
☐	<code>y[2];</code>
☐	none of given

Which operator has the highest precedence?

(*, -, /, +)

Select the correct option

- | | |
|----------------------------------|---|
| ☒ | * and / both have the same highest precedence |
| ☐ | + and - both have the same highest precedence |
| ☐ | + has the highest precedence |
| ☐ | - has the highest precedence |

Question # 30 of 30 (Start time: 04:55:03 AM, 05 July 2020)

To read command-line arguments, the main() function itself must be given _____ arguments.

Select the correct option

- | | |
|----------------------------------|---|
| ☐ | 1 |
| ☒ | 2 |
| ☐ | 3 |
| ☐ | 4 |

▶ Saving and

From the following; which one is the range of Random number generator function rand()?

Select the correct option



0 - 32768



1 - 32768



0 - 32767



1 - 32767

CORRECT ANSWER SOLVED BY HADI(LHR)
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BEST OF LUCK 😊



