## Midterm 3 Study Guide

Points 25

Questions 25

Time Limit 30 Minutes

Allowed Attempts Unlimited

Take the Quiz Again

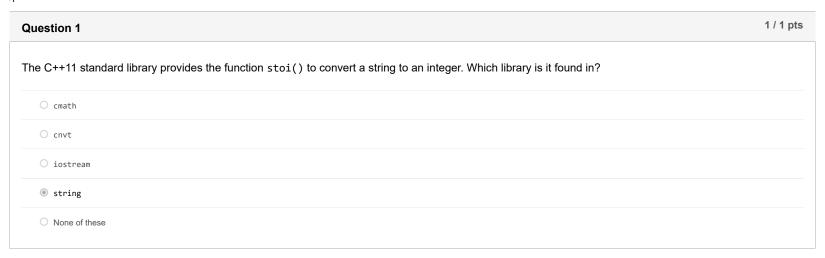
## Attempt History

Due No due date

	Attempt	Time	Score
KEPT	Attempt 23	21 minutes	24 out of 25
LATEST	Attempt 23	21 minutes	24 out of 25
	Attempt 22	24 minutes	24 out of 25
	Attempt 21	18 minutes	24 out of 25
	Attempt 20	30 minutes	19 out of 25
	Attempt 19	20 minutes	23 out of 25
	Attempt 18	30 minutes	21 out of 25
	Attempt 17	30 minutes	23.5 out of 25
	Attempt 16	30 minutes	24 out of 25
	Attempt 15	30 minutes	21 out of 25
	Attempt 14	30 minutes	23 out of 25
	Attempt 13	24 minutes	22 out of 25
	Attempt 12	16 minutes	24 out of 25
<b>&gt;</b>	Attempt 11	17 minutes	19 out of 25
	Attempt 10	17 minutes	22 out of 25
	Attempt 9	20 minutes	20 out of 25
	Attempt 8	21 minutes	20 out of 25
	Attempt 7	25 minutes	21.5 out of 25
	Attempt 6	25 minutes	21 out of 25
	Attempt 5	30 minutes	17 out of 25
	Attempt 4	21 minutes	23 out of 25
	Attempt 3	26 minutes	19.89 out of 25
	Attempt 2	30 minutes	22.5 out of 25
	Attempt 1	27 minutes	21 out of 25

① Correct answers are hidden.

Submitted Jul 19 at 1:45pm



Question 2	1 / 1 pts
The heading of a try block can contain ellipses in place of a parameter.	
O True	
False	

Question 3	1 / 1 pts
The directives #if defined(symbol) and #ifndef symbol mean, essentially, the same thing.	
O True	
False	

Question 4		1 / 1 pts
Match each item with the correct loop form below.		
Indefinite limit loop that reduces its input	while (n != 0) { n /= 2; }	

Question 5	1 / 1 pts
Which fragment completes this code segment?	
<pre>string fmt(double n, int decimals) {   ostringstream out;   out &lt;&lt; fixed &lt;&lt; setprecision(decimals);   out &lt;&lt; n;   return; }</pre>	
<pre>   out.str()</pre>	
<pre>O out.to_string()</pre>	
O None of these	
○ n	
Question 6	1 / 1 pts
When you throw an exception, control immediately jumps out of the current try block.	
True	

Question 7	1/1	pts
The function _	returns a string containing an appropriate message.	
O log		
O where		
what		
O when		

Question 8	1 / 1 pts
To use different versions of a function depending on the platform is called <i>conditional compilation</i> .	
True	
○ False	

Question 9	1 / 1 pts
After writing data to an ostringstream object named os, you can retrieve the string it contains by using:	
O os.to_string()	



O False



```
1 / 1 pts
Question 10
Given the following structure and variable definitions, which data members are default initialized?
struct Employee
{
  long empID;
  std::string lastName;
  double salary;
  int age;
};
Employee bob{777, "Zimmerman", 5000000.0, 76};
   O age
   ○ lastName
   o salary
   None of these
   \bigcirc empID
```

```
Question 11

The declaration: vector<string> v(5); creates a vector containing five empty string objects.

True

False
```

```
Which of these are true?

int main()
{
    vector<int> v{1, 2, 3};
    for (auto i = v.size(); i > 0; i--)
        cout << v.at(i) << "";
    cout << endl;
}

Compiler error (does not compile)

Crashes when run

Prints 3 2 1

Issues a compiler warning, but no error

Endless loop (may crash, but not necessarily)
```

```
Question 13

Examine the following definition. empID is a _____.

struct Employee
{
    long empID;
    std::string lastName;
    double salary;
};

    o structure tag

    data member

    None of these

    type-id
    field
    instance variable
```





p + w \* (h - 1)



Question 21	1 / 1 pts
If $p$ is a pointer to a structure, and the structure contains a data member $x$ , you can access the data member by using the notation: * $p$ -> $x$	
O True	
False	

Question 22	1 / 1 pts
Which assigns a value to the first position in <i>Letters</i> ?	
<pre>char letters[26];</pre>	
O letters.front() = 'a';	
<pre>     letters[0] = 'a'; </pre>	
<pre>O letters[1] = 'b';</pre>	
O letters = 'a';	
<pre>O letters[0] = "a";</pre>	

Question 23	1 / 1 pts
In C++ assigning one array to another is illegal.	
True	
○ False	

Question 24	/ 1 pts
All of these are legal C++ statements; which of them uses the C++ dereferencing operator?	
int a = 3, b = 4;	
None of these use the dereferencing operator.	
○ int *p = &b	
<pre>O int y = a * b;</pre>	
O z *= a;	
<pre>   int x = *p; </pre>	

```
Question 25

Examine the following code. What is stored in a after it runs.

int f(int * p, int x) {
    *p = x * 2;
    return x / 2;
}
...
int a = 3, b, c;
c = f(&b, a);

    3

    2

    6

    Does not compile

    1
```

