

 $\Box$  c) reads in 20 integer values from cin  $\Box$  d) allocates an integer of size 20 bytes

2. Which form of the operator delete would you use to deallocate free store memory allocated by this statement:

3. Which of the following correctly displays the memory address of the variable named *menu*?

int menu = 23;

□ a) cout << \*menu;</li>
 □ b) cout << menu;</li>
 □ d) cout << &menu\*;</li>

4. What does the variable i contain after the following code executes?

int i = 17;int \*p = &i;\*p = 98;

□ a) 98 □ b) 17 □ c) 81 □ d) 0

? Help

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5.	Allocation of memory storage for statically allocated		
	variables occurs duringwhile memory allocation for		
	dynamically allocated variables occurs during		
	a) (load time) and (compile time)	☐ b) (load time) and (run time)	
	c) (run time) and (compile time)	$\square$ d) (compile time) and (load time)	
6.	Given:	4 4 - NULL	
	int *p1;int *p2;p1 = new int;p2 = p1;delete		
	Which of the following best describe the cur with p2?	rent Situation	
	a) p2 is pointing at where p1 is pointing at.	☐ b) p2 is not pointing at any memory location.	
	c) p2 is a dangling pointer.	$\square$ d) p2 is also assigned value NULL.	
7	Construction Called the state of the state of		
7.	Suppose the following structure and variables are declared: struct Student {string name;string email;};		
	Student john;Student* p = &john		
	Which of the following statements print the student john's		
	email?	·	
	a) cout << p.email;	☐ b) cout << p[email];	
	c) cout << john->email;	☐ d) cout << p->email;	
0			
8.	Given the following pointer variables:		
	<pre>int x;int* p;p = &amp;x Which of the following code segments will cause</pre>		
	segmentation fault?	ause	
	a) *p = 100.12;	□ b) p = NULL;cout << *p;	
	c) p = NULL;cout << p;	<ul><li>□ d) p = NULL;cout &lt;&lt; &amp;p</li></ul>	
	$c_j p = \text{NOLL,cout} \sim p$ ,	$\Box$ $\alpha$ , $\beta$ - NOLL, coult $\sim \alpha \beta$ ,	

9. In C++11, the keyword we the address <b>0</b> .	as introduced to represent
☐ a) NULL	☐ b) null
☐ c) nullptr	☐ d) weak_ptr
10. Every byte in the computer's me	emory is assigned a unique:
☐ a) pointer	☐ b) address
☐ c) dynamic allocation	☐ d) name
11. If a variable uses more than one pointer purposes its address is:	
$\hfill\Box$ a) the address of the last byte of	storage   b) the average of all the addresses used to store that variable
$\ \square$ c) the address of the first byte of	storage $\Box$ d) the address of the second byte of storage
12. What will the following code out	tput?
int *numbers = new int[5];	
for (int i = 0; i <= 4; i++) *(num	bers + i) = i;
cout << numbers[2] << endl;	
$\square$ a) five memory addresses	□ b) 0
□ c) 1	□ d) 2

## **Answer Key**

1. а

а

С

2.

3.

4.

а

5. b

6. С 7. d

8. b

С

9.

10. b

11. c

12. c