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State Finished

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Time taken 4 mins 28 secs

Grade 10.00 out of 10.00 (100%)

Question **1**

Correct

Mark 1.00 out of 1.00

The 6-bit unsigned binary representation of decimal integer "15" would be:

- ☒ a. 001111
- ☐ b. None of these
- ☐ c. 101111
- ☐ d. 011110
- ☐ e. 011111



Your answer is correct.

The correct answer is:

001111

Question **2**

Correct

Mark 2.00 out of 2.00

What is printed when the following is executed?

```
int a = 0x25;  
int b = 0xc1;  
int c = a ^ b;  
printf("%x", c);
```

- ☐ a. e6
- ☒ b. e4
- ☐ c. 06
- ☐ d. 04



Your answer is correct.

The correct answer is:
e4

Question **3**

Correct

Mark 2.00 out of 2.00

The signed binary equivalent of 5.375 is

- ☐ a. 0101.101110111
- ☐ b. 101.0011
- ☒ c. 0101.011
- ☐ d. 101.011



Your answer is correct.

The correct answer is:
0101.011

Question 4

Correct

Mark 1.00 out of 1.00

What is the binary representation of the integer -14?

- ☐ a. 111100
- ☐ b. 111011
- ☒ c. 110010
- ☐ d. 110001



Your answer is correct.

The correct answer is:
110010

Question 5

Correct

Mark 2.00 out of 2.00

Assume that the processor in a computer allots 2 bytes for the type "short int" and we declare a variable y as "short int" type. What is the least negative number that the variable y can accept?

Answer: -32768



The correct answer is: -32768

Question 6

Correct

Mark 1.00 out of 1.00

Bitwise complement Operation of -12 as a 8-bit signed integer number, using the following statement,

```
printf("%d", ~-12);
```

results in -----

Note : Do not include any spaces or write any sentences. Just write a number only.

Answer: 11



The correct answer is: 11

Question **7**

Correct

Mark 1.00 out of 1.00

The result obtained in integer when the 8-bit unsigned binary number 00110101 is left shifted by 3 bits is-----

Note : Do not include any spaces or write sentences. Give just the number only.

Answer:

168



The correct answer is: 168

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