Assignment 5

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1. The gray code corresponds to binary number '1000' is
   - 1000
   - 1100
   - 1110
   - 1111
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 1100

2. To evaluate which of the following expressions subtrahend concept is useful
   - \( x^2 - y^2 \)
   - \( 2x + y \)
   - \( x^2 + y^2 \)
   - \( x + y \)
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: \( x^2 + y^2 \)

3. An 8 x 4 ROM can be constructed using
   - A 2 + 1 decoder and four 4-input OR gates
   - A 3 + 1 decoder and four 8-input OR gates
   - A 3 + 4 decoder and four 8-input OR gates
   - A 3 decoder and four 8-input OR gates
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: A 3 + 4 decoder and four 8-input OR gates

4. The number of basic cells in a 16 x 4 RAM are
   - 4
   - 16
   - 64
   - 128
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 64

5. Which of the following statement is TRUE:
   - Both ROM and RAM are combinational circuits
   - ROM is a sequential circuit and RAM is a combinational circuit
   - ROM is a combinational circuit and RAM is a sequential circuit
   - Both ROM and RAM are sequential circuits
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: ROM is a combinational circuit and RAM is a sequential circuit

6. Which of the following memory is volatile
   - ROM
   - EPROM
   - EPROM
   - RAM
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: RAM

7. The size of decoder required to construct 32 x 2 memory using 4 x 2 memories is
   - 2 x 4
   - 4 x 4
   - 4 x 16
   - 5 x 32
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 4 x 4

8. The number of 4 x 2 memories required to construct 32 x 2 memory are
   - 4
   - 8
   - 16
   - 32
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 8