

ECEN ACADEMY

Answer for Number Systems Set 8

1. Which Operation to be performed to SET a bit in a binary number

- 1. OR**
- 2. AND**
- 3. NOT**
- 4. XOR**

Ans 1: 1. OR

2. Which Operation to be performed to RESET a bit in a binary number

- 1. OR**
- 2. AND**
- 3. NOT**
- 4. XOR**

Ans 2: 2. AND

3. Which Operation to be performed to Toggle a bit in a binary number

- 1. OR**
- 2. AND**
- 3. NOT**
- 4. XOR**

Ans 3: 4. XOR

4. Find the Binary value to SET bit 4

Ans 4: 00010000

5. Find the Binary value to RESET bit 5

Ans 5: 11011111

6. Find the Binary value to Toggle bit 2

Ans 6: 00000100

7. Find the Binary value to SET bits 4 & 7

Ans 7: 10010000

8. Find the Binary value to RESET bits 3 & 5

Ans 8: 11010111

9. Find the Binary value to TOGGLE bits 2 & 6

Ans 9: 01000100

10. Find the Binary value to TOGGLE all bits

Ans 10: 11111111