



# ECEN Academy

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## Number System Problem – 71

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

| 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |

**SET Bit 4**



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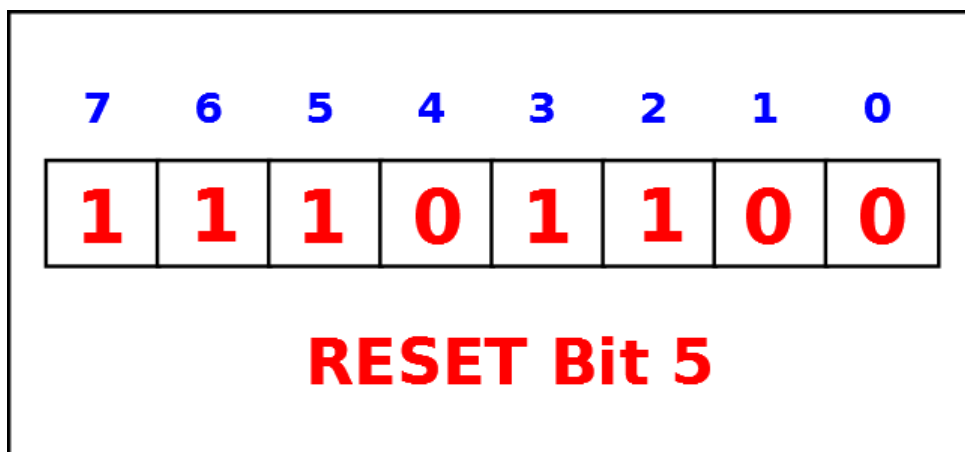
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## Digital Electronics Problem – 72

### Instructions:

1. Do not discuss with any one while solving the problems
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## Digital Electronics Problem – 73

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

| 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |

**Toggle Bit 2**



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## Digital Electronics Problem – 74

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

|    | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|----|---|---|---|---|---|---|---|---|
|    | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| OR | X | X | X | X | X | X | X | X |

**SET Bit 4**



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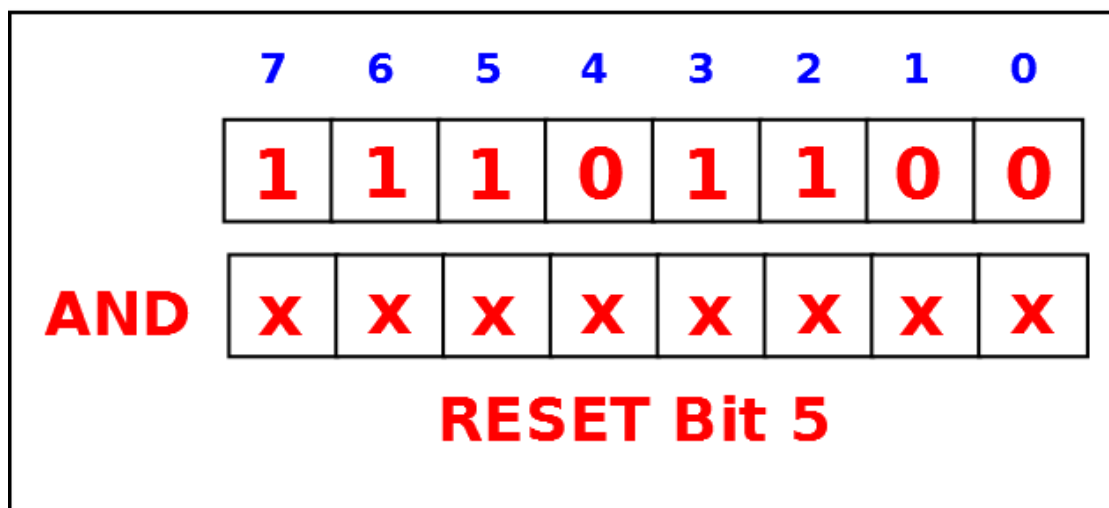
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## Digital Electronics Problem – 75

### Instructions:

1. Do not discuss with any one while solving the problems
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5. Do the problems in an easy way.





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## Digital Electronics Problem – 76

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

|                     | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---------------------|---|---|---|---|---|---|---|---|
|                     | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| <b>XOR</b>          | x | x | x | x | x | x | x | x |
| <b>Toggle Bit 2</b> |   |   |   |   |   |   |   |   |



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## Digital Electronics Problem – 77

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.


|    | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|----|---|---|---|---|---|---|---|---|
|    | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| OR | X | X | X | X | X | X | X | X |

**SET Bit 4 & 7**



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## Digital Electronics Problem – 78

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

|     | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|-----|---|---|---|---|---|---|---|---|
|     | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| AND | X | X | X | X | X | X | X | X |

**RESET Bit 5 & 3**





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## Digital Electronics Problem – 79

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

|            | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------------|---|---|---|---|---|---|---|---|
|            | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| <b>XOR</b> | X | X | X | X | X | X | X | X |

**Toggle Bit 2 & 6**



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## Digital Electronics Problem – 80

### Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

|            | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------------|---|---|---|---|---|---|---|---|
|            | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| <b>XOR</b> | x | x | x | x | x | x | x | x |

**Toggle all the bits**