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Number System Problem – 81

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
x	x	x	x	x	x	x	x

Shift Left 3 bits



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Digital Electronics Problem – 82

Instructions:

1. Do not discuss with any one while solving the problems
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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
x	x	x	x	x	x	x	x

Shift right 2 bits



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Digital Electronics Problem – 83

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
X	X	X	X	X	X	X	X

Rotate Left 3 bits



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Digital Electronics Problem – 84

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
x	x	x	x	x	x	x	x

Rotate right 2 bits



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Digital Electronics Problem – 85

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
X	X	X	X	X	X	X	X

**Shift right 3 bits and
shift left 3 bits**



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Digital Electronics Problem – 86

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
x	x	x	x	x	x	x	x

**Shift left 2 bits and
shift right 3 bits**



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Digital Electronics Problem – 87

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
x	x	x	x	x	x	x	x

Mask the Lower nibble



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Digital Electronics Problem – 88

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
x	x	x	x	x	x	x	x

Mask the Upper nibble



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Digital Electronics Problem – 89

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
0	0	1	0	1	1	0	0
x	x	x	x	x	x	x	x

**Multiply this number by 4
using binary operator**



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Digital Electronics Problem – 90

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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
0	1	1	0	1	0	0	0
X	X	X	X	X	X	X	X

**Divide this number by 8
using binary operator**