



# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

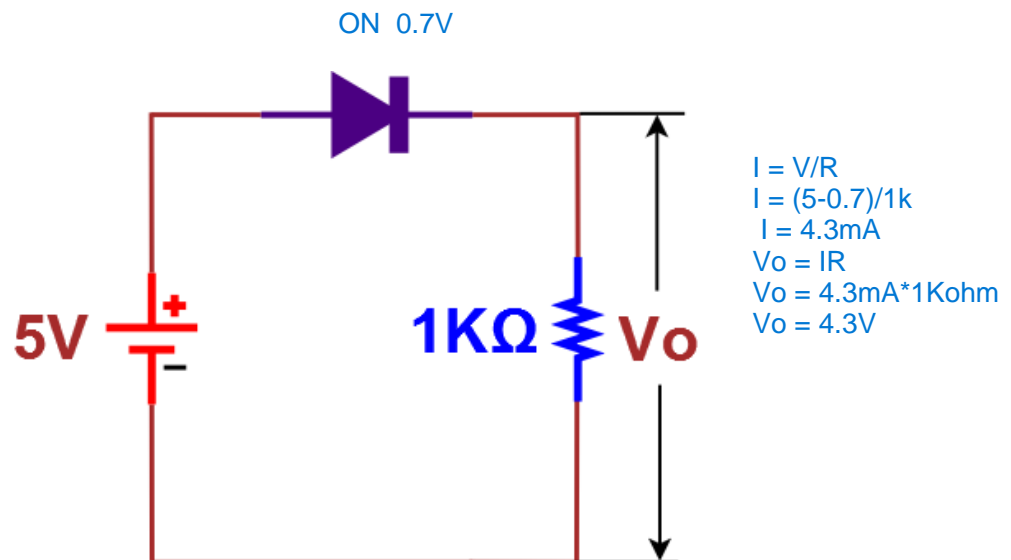
 - (91) 97908 73099

## Analog Electronics Problem – 1

### 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.

Question 1: What is the  $V_o$  voltage?





# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

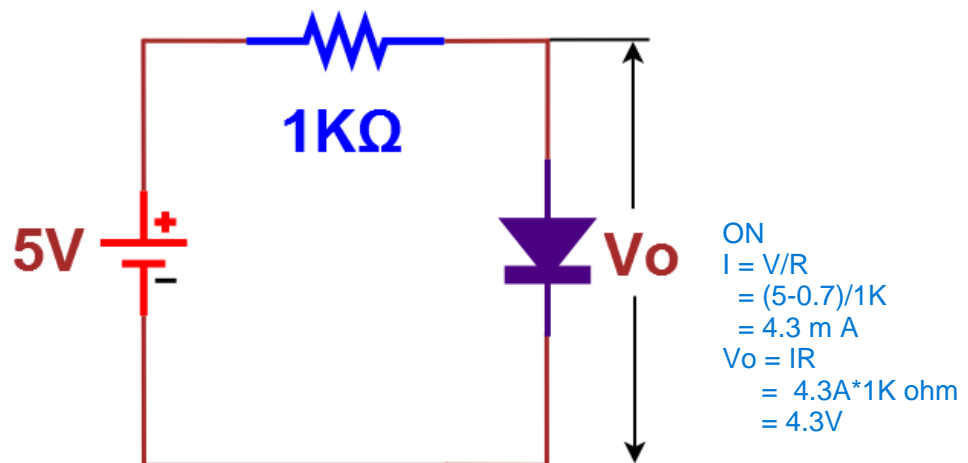
 - (91) 97908 73099

## Analog Electronics Problem – 2

### 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.

Question 2: What is the  $V_o$  voltage?





# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

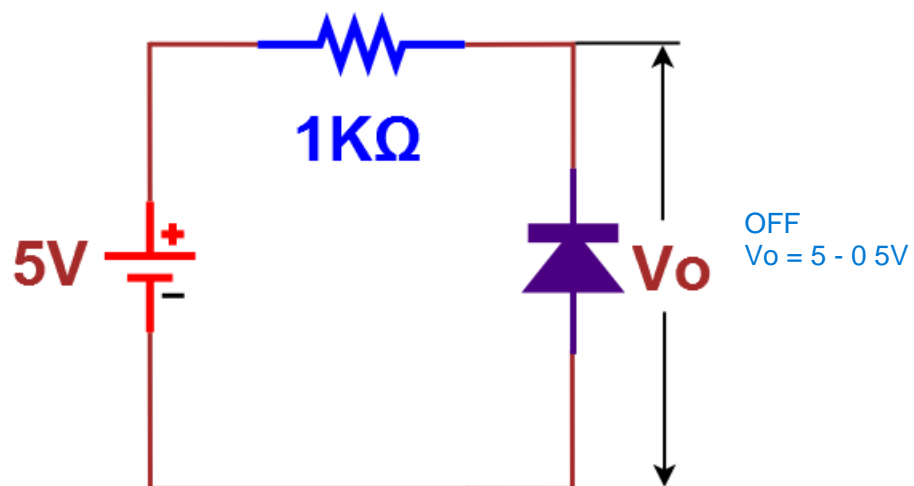
 - (91) 97908 73099

## Analog Electronics Problem – 3

### 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.

Question 3: What is the  $V_o$  voltage?





# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

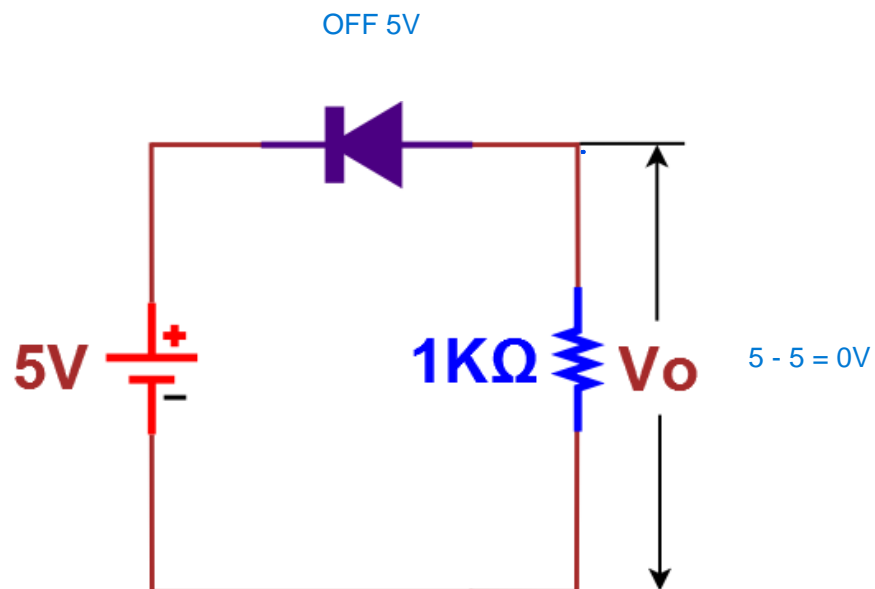
 - (91) 97908 73099

## Analog Electronics Problem – 4

### 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.

Question 4: What is the  $V_o$  voltage?





# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

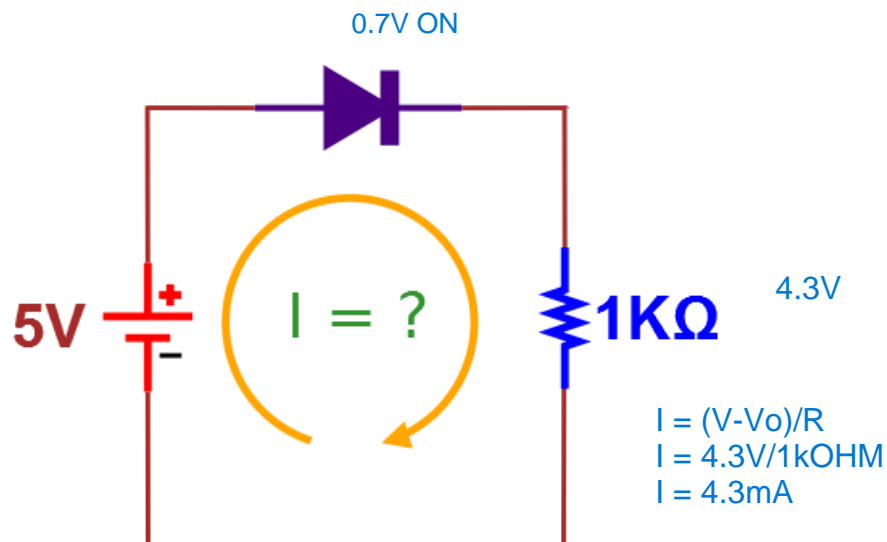
 - (91) 97908 73099

## Analog Electronics Problem – 5

### 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.

Question 5: What is the value of Current I?





# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

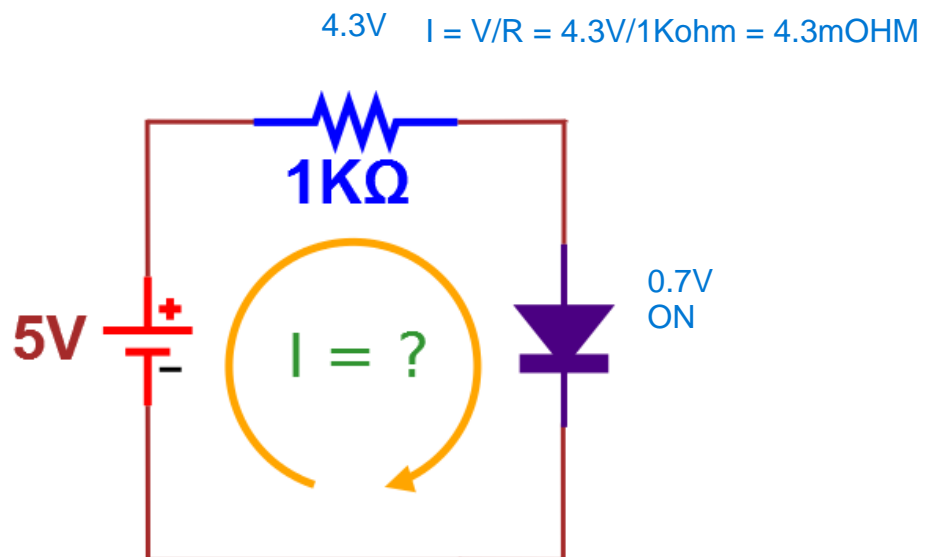
 - (91) 97908 73099

## Analog Electronics Problem – 6

### 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.

Question 6: What is the value of Current I?





# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

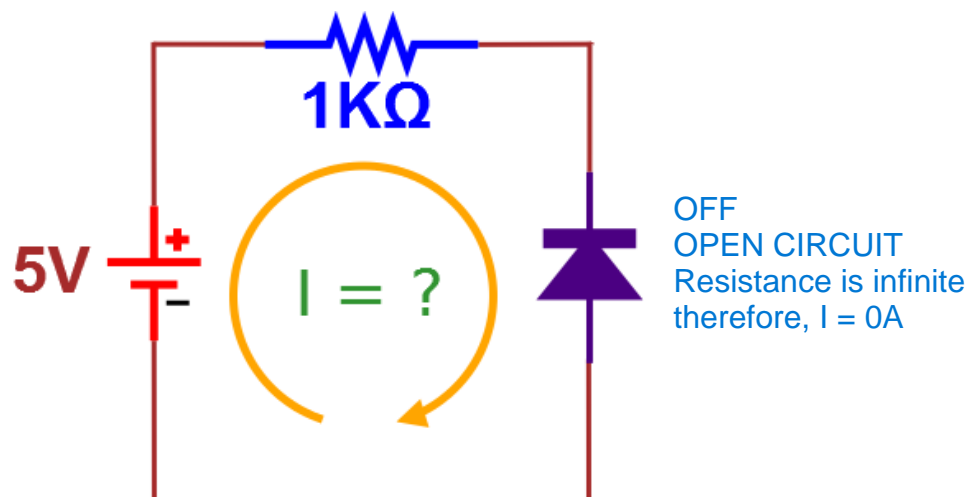
 - (91) 97908 73099

## Analog Electronics Problem – 7

### 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.

Question 7: What is the value of Current I?





# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

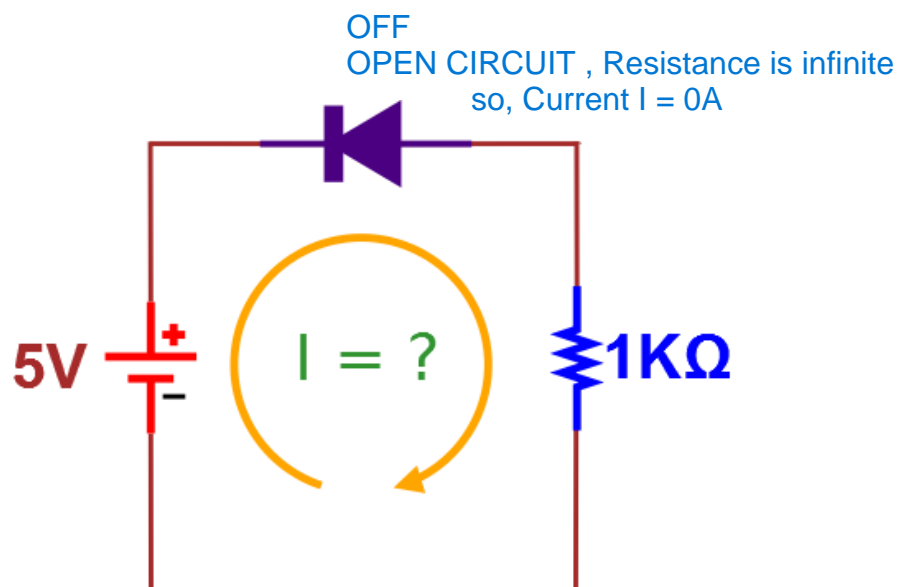
 - (91) 97908 73099

## Analog Electronics Problem – 8

### 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.

Question 8: What is the value of Current I?







# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

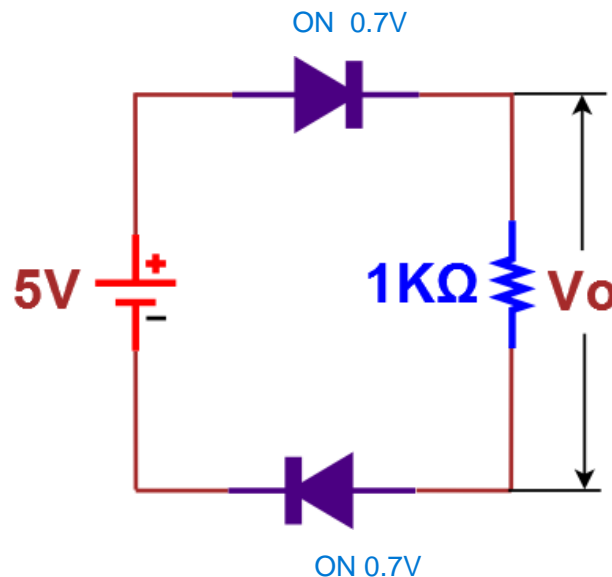
 - (91) 97908 73099

## Analog Electronics Problem – 9

### 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.

Question 9: What is the  $V_o$  voltage?



$$\begin{aligned} I &= (5V - 0.7V - 0.7V)/R \\ I &= 3.6V/R \\ V_o &= I \cdot R = 3.6V \end{aligned}$$



# ECEN Academy

[www.ecenacademy.com](http://www.ecenacademy.com)

 - (91) 97908 73099

## Analog Electronics Problem – 10

### 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.

Question 10: What is the  $V_o$  voltage?

