ECEN Academy

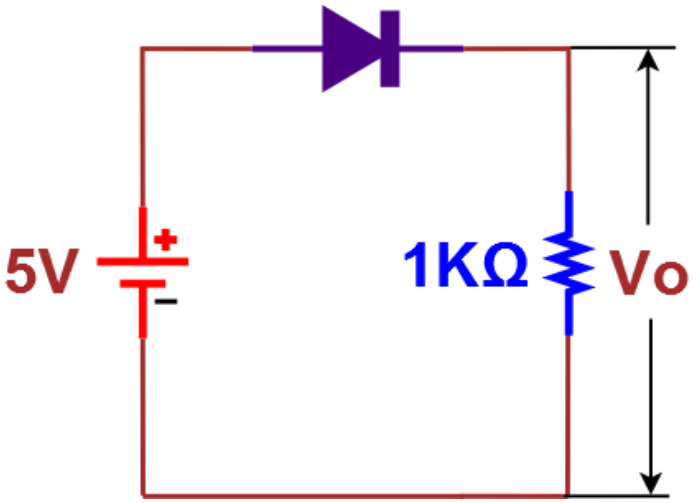
www.ecenacademy.com - (91) 97908 73099

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 Vo voltage?



V = 5-0.7 = 4.3V
V = 4.3V

ECEN Academy

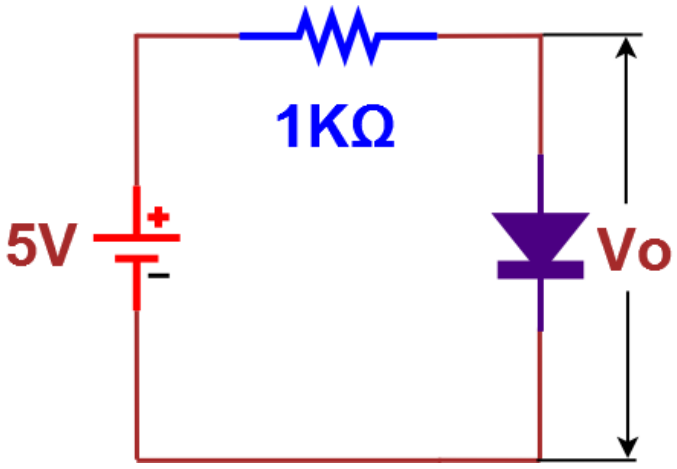
www.ecenacademy.com - (91) 97908 73099

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 Vo voltage?



V = 0.7V
because voltage
across diode is 0.7v

ECEN Academy

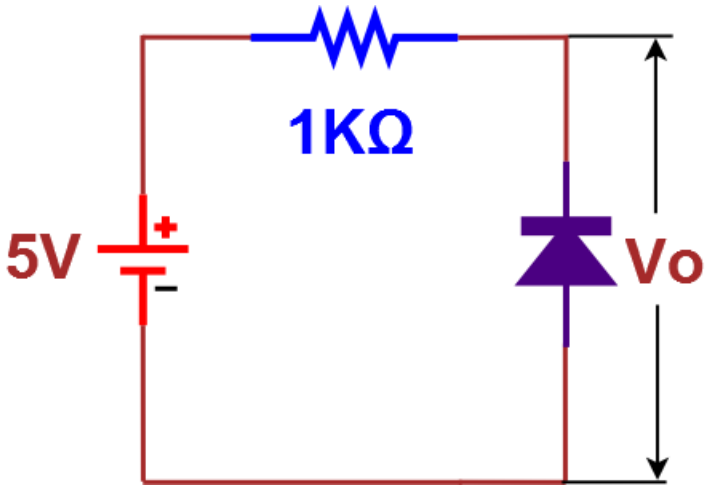
www.ecenacademy.com - (91) 97908 73099

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 Vo voltage?



V = 5V

ECEN Academy

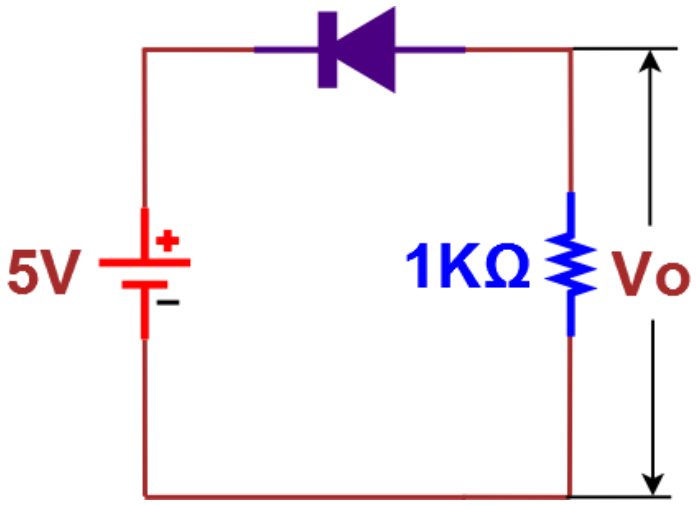
www.ecenacademy.com - (91) 97908 73099

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 Vo voltage?



V = 0
because I = 0

ECEN Academy

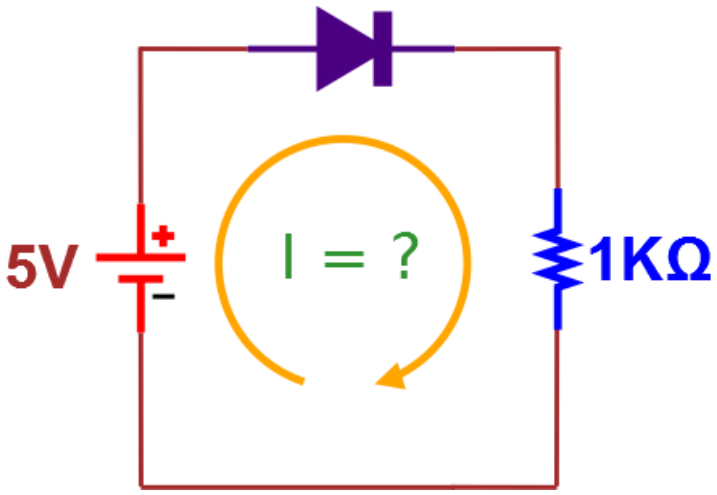
www.ecenacademy.com - (91) 97908 73099

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?



I = V/R
I = (5-0.7)/1KΩ
I = 4.3mA

ECEN Academy

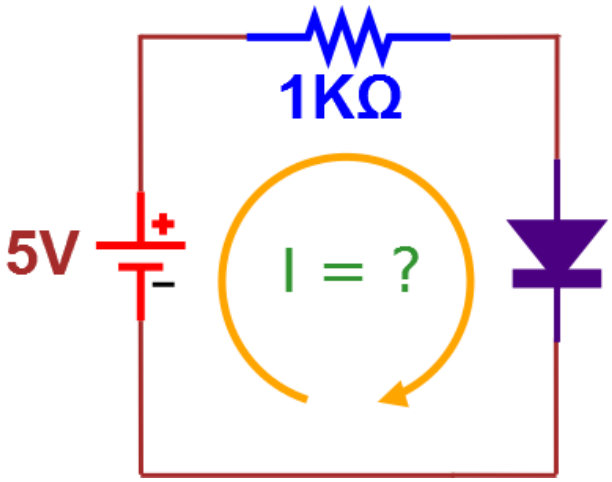
www.ecenacademy.com - (91) 97908 73099

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?



I = V/R
I = (5-0.7)/1KΩ
I = 4.3mA

ECEN Academy

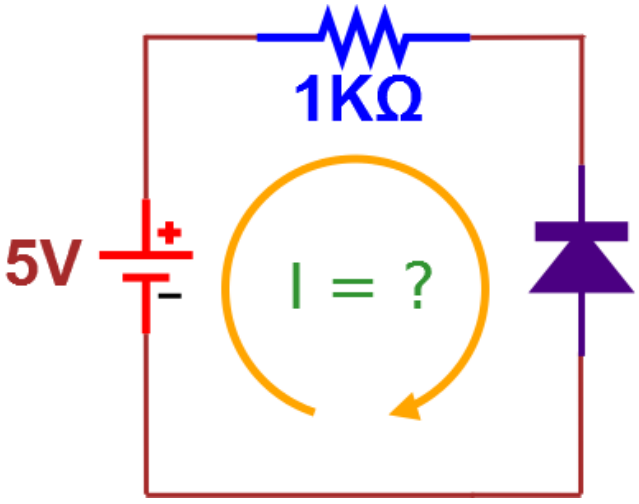
www.ecenacademy.com - (91) 97908 73099

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?



I = 0
because of diode

ECEN Academy

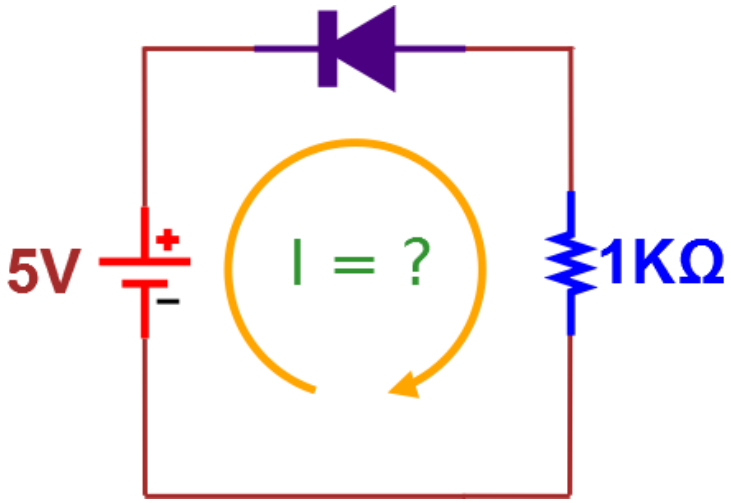
www.ecenacademy.com - (91) 97908 73099

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?



I = 0
because of diode

ECEN Academy

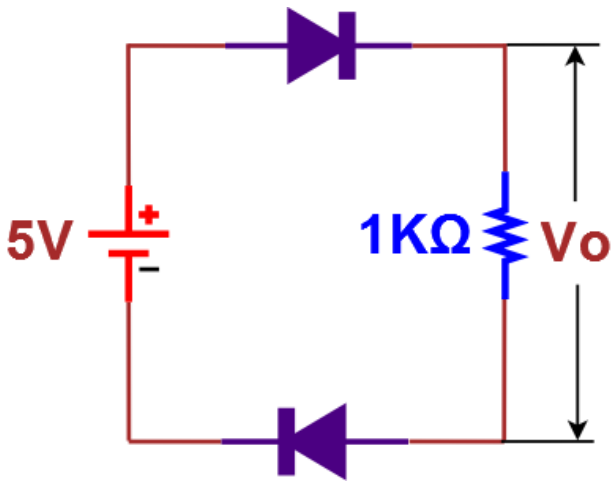
www.ecenacademy.com - (91) 97908 73099

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 Vo voltage?



V = 3.6V

ECEN Academy

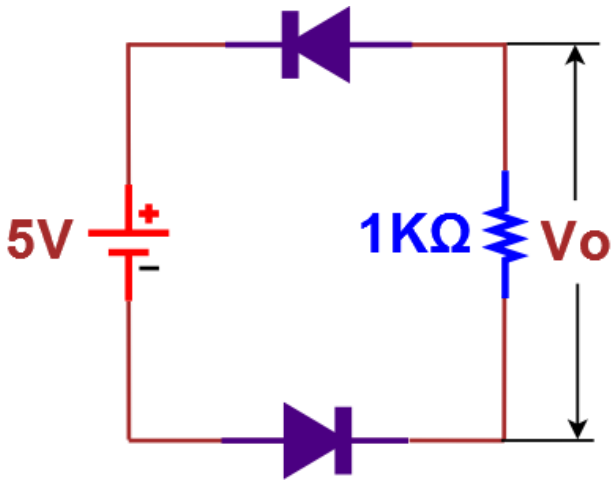
www.ecenacademy.com - (91) 97908 73099

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 Vo voltage?



V = 0V