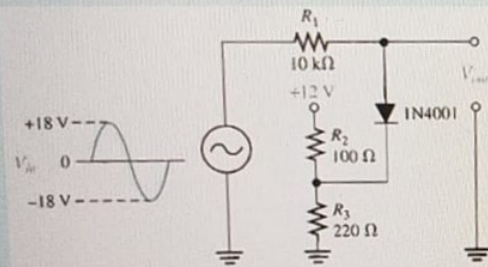


Question 7

Not yet answered

Marked out of 5.00

Flag question



Use the circuit given in the diagram;

- The circuit is a  circuit.

negative bias diode  
positive series diode  
positive bias diode  
**negative shunt diode**  
positive peak diode

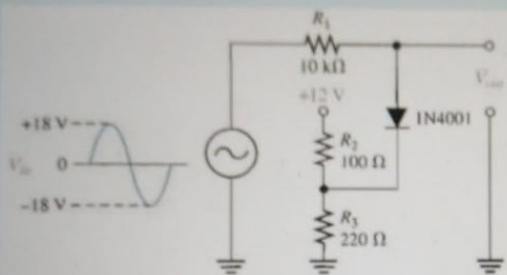
Next p

Question 7

Not yet answered

Marked out of 5.00

Flag question



Use the circuit given in the diagram;

- The circuit is a  circuit.

clipper

splitter  
doubler  
clamper  
**clipper**

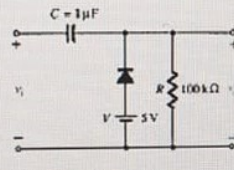
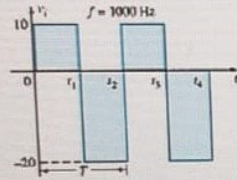
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Question 2

Not yet answered

Marked out of 5.00

Flag question



Use the circuit given in the diagram. (Use the near-ideal model for the diodes.)

- The whole waveform will move up so that the minimum will be

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Question 5  
Not yet answered  
Marked out of 10.00  
Flag question

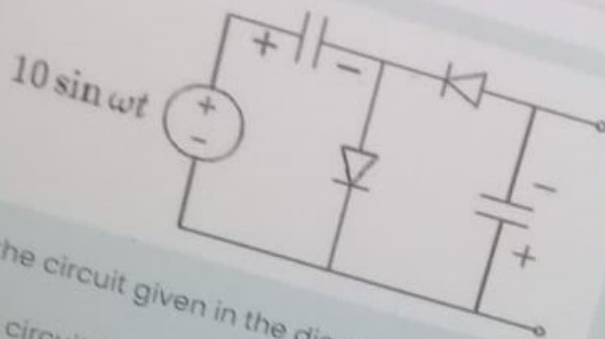
Use the circuit given in the diagram where  $R_1 = 10\text{k}\Omega$  and  $V_{DC} = 12\text{V}$ . (Use the near-ideal model for the diodes where the forward voltage  $V_f = 884\text{mV}$ .)

- Find the clipping level of the output waveform of the circuit, given  $R_2 = 181\Omega$  and  $R_3 = 281\Omega$ . (Keep answer in 2 decimal places)

Next page  
NEXT A C

EN1013 (112405)

8 February - 14 February



Use the circuit given in the diagram;

- The circuit is a Voltage

Clamping  
Clipping  
Splitter  
Doubler

Circuit and the Output voltage is a

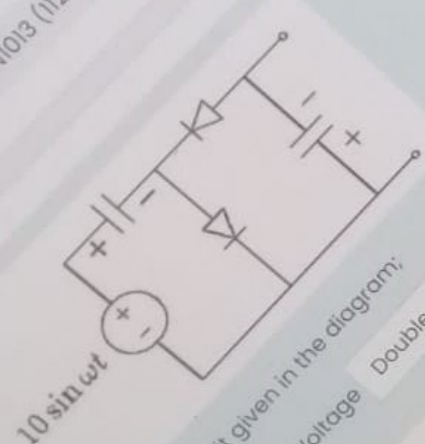
d 9 Presentation

Jump to

3 - Electronics - I

EN19-S2-EN1013 (112405)

8 February - 14 February



Use the circuit given in the diagram;

- The circuit is a Voltage

Doubler

Circuit and the Output voltage is a

-18.6V DC

signal.

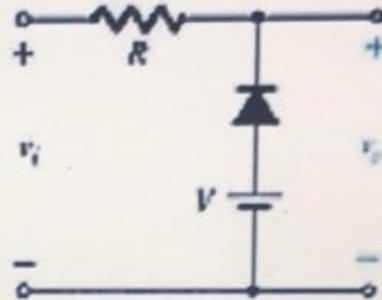
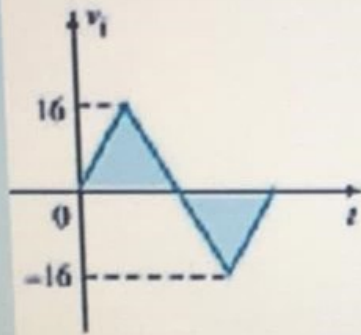
Zoom

Jump to...

Marked out of 10.00

Flag question

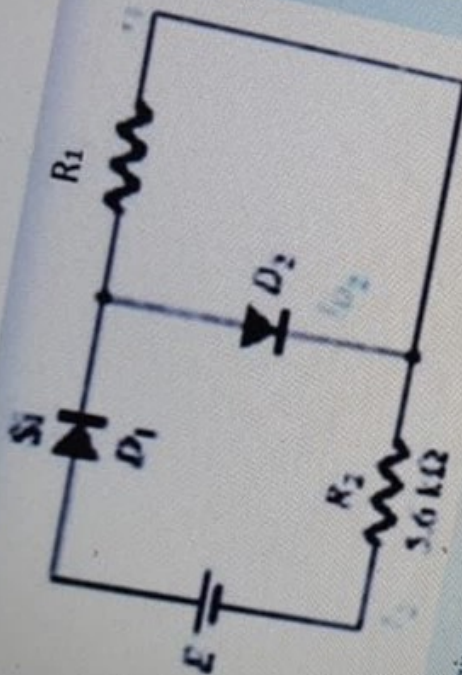




In the given circuit,  $V = 4V$ , what is the level that the triangular waveform is clipped at? Use the near-ideal model for the diodes where  $V_f = 737\text{mV}$ .

Select one:

- ☐ a. Clipping level is  $-4737\text{ mV}$ .
- ☐ b. Clipping level is  $-3263\text{ mV}$ .
- ☐ c. Clipping level is  $-3.26\text{ V}$ .
- ☐ d. Clipping level is  $+3263\text{ mV}$ .
- ☐ e. Clipping level is  $+4737\text{ mV}$ .



In the given circuit,  $E = 18V$ ,  $R_1 = 2\Omega$  and  $R_2 = 5.6\text{k}\Omega$ . Calculate the current through diodes (i)  $D_1$  and (ii)  $D_2$ . Use the near-ideal model for the diodes where  $V_f = 692\text{mV}$ .

Select one:

- ☐ a. (i)  $I(D_1) = 2.97\text{mA}$  (ii)  $I(D_2) = 2.62\text{mA}$
- ☐ b. (i)  $I(D_1) = 2.52\text{mA}$  (ii)  $I(D_2) = 2.17\text{mA}$
- ☐ c. (i)  $I(D_1) = 3.09\text{mA}$  (ii)  $I(D_2) = 2.74\text{mA}$
- ☐ d. (i)  $I(D_1) = 3.61\text{A}$  (ii)  $I(D_2) = 3.27\text{A}$
- ☐ e. (i)  $I(D_1) = 3.09\text{A}$  (ii)  $I(D_2) = 2.74\text{A}$