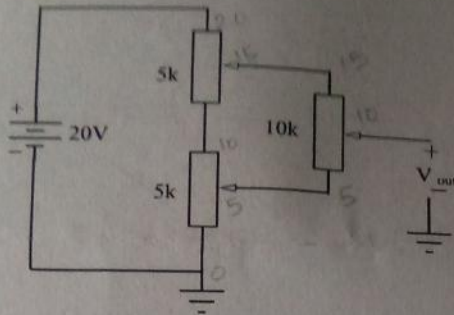
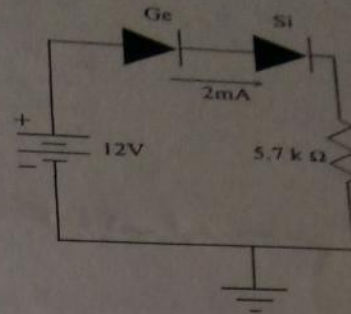


Figure 6



(a) Question number 10



(b) Question number 11

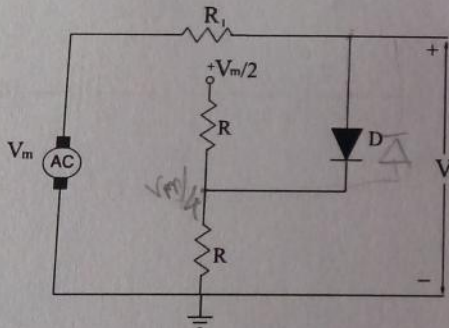
10. (1 point) For the circuit shown in Figure (6a), the value V_{out} when all three potentiometers in the circuit are set exactly to the midpoint (50%) is

Ans: 10V

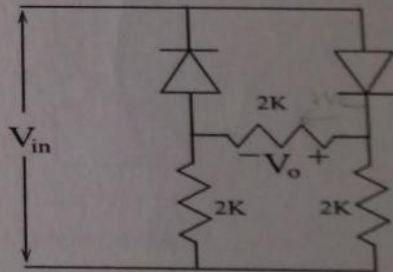
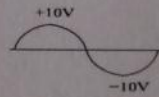
11. (1 point) For the circuit shown in Figure (6b), the knee voltages of Ge diode and Si diode are 0.3 V and 0.6 V, respectively. Which one of the following is true for the given circuit?

- ☒ A. The Ge diode is short circuit
☐ B. The Si diode is short circuit
☐ C. Both the diodes are short circuit
☐ D. Circuit is functioning normally

Figure 7



(a) Question number 12, 13 and 14



(b) Question number 15

12. (1 point) For the circuit shown in Figure (7a), the plot V_o for a sinusoidal input with peak voltage V_m is

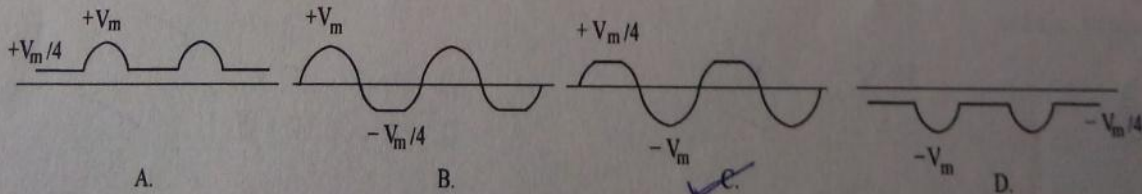


Figure 8: Answer for question 12

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