

MULTIPLE CHOICE Choose the one alternative that best completes the statement or answers the question.

1) For this circuit, determine the load-line intersection with the two axis.

1) _____



- A) $V_D = 10\text{ V}$ and $I_D = 1\text{ mA}$
 C) $V_D = 10\text{ V}$ and $I_D = 10\text{ mA}$

- B) $V_D = 1\text{ V}$ and $I_D = 1\text{ mA}$
 D) $V_D = 1\text{ V}$ and $I_D = 10\text{ mA}$

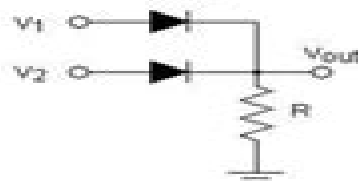
2) If one silicon diode and one germanium diode are connected in series, the voltage drop across the combination of the two diodes will be equal to _____

2) _____

- A) the forward drop equal to that of the silicon diode
 B) the forward drop equal to that of the difference of the voltage drops across the two diodes
 C) the forward drop equal to that of the sum of the voltage drops across the two diodes
 D) the forward drop equal to that of the germanium diode

3) Name the logic gate that is formed by this circuit.

3) _____

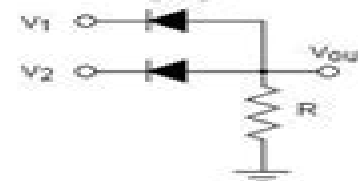


- A) positive logic AND gate
 C) negative logic OR gate

- B) negative logic AND gate
 D) positive logic OR gate

4) Name the logic gate that is formed by this circuit.

4) _____

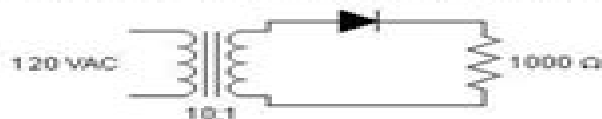


- A) positive logic AND gate
 C) positive logic OR gate

- B) negative logic OR gate
 D) negative logic AND gate

5) The current flows through the load resistor in this circuit during the _____.

5) _____



- A) The diode will block all current and there will be no current flowing through the load.
 B) positive half cycle of the input waveform

Engineering Circuit Analysis 8th Solution Manual

**Jun Wang,Xin Li,Chris Allison,Judy
Hohorst**



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Circuit Analysis and Feedback Amplifier Theory Wai-Kai Chen, 2018-10-03 Culled from the pages of CRC's highly successful best-selling *The Circuits and Filters Handbook*, Second Edition, *Circuit Analysis and Feedback Amplifier Theory* presents a sharply focused comprehensive review of the fundamental theory behind professional applications of circuits and feedback amplifiers. It supplies a concise, convenient reference to the key concepts, models, and equations necessary to analyze, design, and predict the behavior of large-scale circuits and feedback amplifiers, illustrated by frequent examples. Edited by a distinguished authority, this book emphasizes the theoretical concepts underlying the processes, behavior, and operation of these devices. It includes guidance on the design of multiple loop

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