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General Questions

Practice Questions

Q1. What is the main characteristic of a depletion-mode FET?

A. It is normally on
B. It is normally off
C. It has a negative resistance
D. It requires a positive gate voltage to conduct

Solution: Depletion-mode FETs are normally on, meaning they conduct current without any gate voltage applied.

Q2. What is the function of a coupling capacitor in an amplifier circuit?

A. To block DC and allow AC signals
B. To amplify the signal
C. To provide feedback
D. To stabilize the power supply

Solution: Coupling capacitors are used to block DC components while allowing AC signals to pass through, facilitating signal transfer between stages.

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