



# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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**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.*



