

Physics

1- Capacitor is a device used to_____

- a) store electrical energy
- b) vary the resistance
- c) store magnetic energy
- d) dissipate energy

2- . Why does capacitor block dc signal at steady state?

- a) due to high frequency of dc signal
- b) due to zero frequency of dc signal
- c) capacitor doesnot pass any current at steady state
- d) due to zero frequency of dc signal

3- Capacitor stores which type of energy?

- a) kinetic energy
- b) vibrational energy
- c) potential energy
- d) heat energy

4- The effective capacitance of a capacitor is reduced when capacitors are connected in

- a -series
- b - parallel
- c -series-parallel combination
- d -none of the above

5- Capacitance of a parallel plate air capacitor depends on

- a-Thickness of conducting plates
- b-Charge on the conducting plates
- c- Area of the conducting plates
- d-Distance of separation between the conducting plates