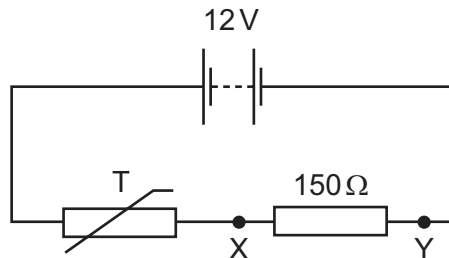


- 37** A thermistor is an electrical component with a resistance that varies with temperature. A thermistor T is used in a fire alarm system. The alarm is triggered when the potential difference between X and Y is 4.5 V.



What is the resistance of T when the alarm is triggered?

- A**  $90\ \Omega$       **B**  $150\ \Omega$       **C**  $250\ \Omega$       **D**  $400\ \Omega$