

## Question 04

**(d)** A high tension (HT) supply of, say, 6 kV must have a very large internal resistance. Why?

## Answer 04

**(d)** In order to prohibit the current from exceeding the safety limit, a high tension supply must have a very large internal resistance. If the internal resistance is not large, then the current drawn can exceed the safety limits in case of a short circuit.