

7.2 An alternating current generator has an internal resistance R_g and an internal reactance X_g . It is used to supply power to a passive load consisting of a resistance R_g and a reactance X_L . For maximum power to be delivered from the generator to the load, the value of X_L is equal to

- (a) zero.
- (b) X_g .
- (c) $-X_g$.
- (d) R_g .