Q30. The contra positive of the statement "If p, then q" is

(a) if q, then p

(b) if p, then ~q

(c) if ~q, then ~p

(d) if ~p, then ~q

Sol:(c) $p \rightarrow q$

If p, then q

Contra positive of the statement $p \rightarrow q$ is $(\sim q) \rightarrow (\sim p)$.

If ~q, then ~p.