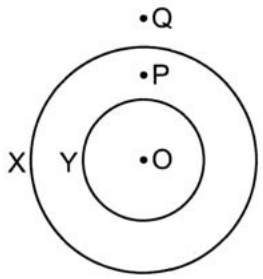
31 X and Y are two coaxial circular coils lying on a table. O, P and Q are three points on the table.



Initially, there is a constant current in coil X and no current in coil Y.

A small current is now passed through coil Y, which decreases the magnitude of the magnetic flux density at O.

How does the magnitude of the flux density change at P and Q?

	P	Q
A	decreases	decreases
B	decreases	increases
C	increases	decreases
D	increases	increases