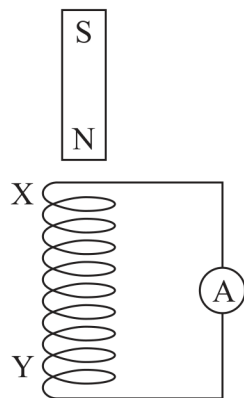


- 10 A magnet is dropped vertically through a coil, producing a current in the coil which creates a magnetic field around it.



Which line of the table correctly shows the pole at X when the magnet enters the coil, and the pole at Y when the magnet leaves the coil?



A



B



C



D

	pole of field due to coil at X	pole of field due to coil at Y
A	north	north
B	north	south
C	south	north
D	south	south

(Total for Question 10 = 1 mark)