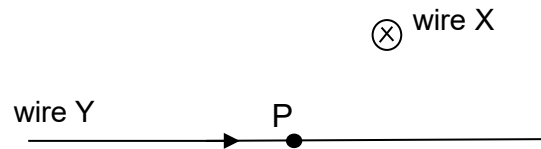


**24**

Two long straight current carrying wires, X and Y are placed perpendicular to each other as shown in the diagram.



Current flows into the page in wire X and from left to right in wire Y.

What is the direction of the force acting on wire Y at point P due to the magnetic field produced by wire X?

**A**

into the page

**B**

out of the page

**C**

towards wire X

**D**

away from wire X