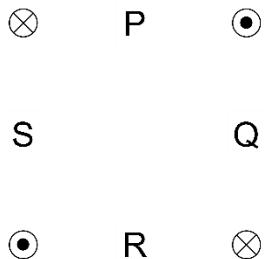


- 24** Four long, straight wires carrying equal current with directions as shown, are placed at the corners of a square. The positions P, Q, R and S are the mid-points of the lines joining the wires.



Which statement correctly describes the directions of the resultant magnetic field at the positions P, Q, R and S?

- A** Different at all four positions.
- B** P is the same as at Q, R is the same as at S but opposite to the directions at P and at Q.
- C** P is the same as at R, Q is the same as at S but opposite to the directions at P and at R.
- D** The same at all four positions.