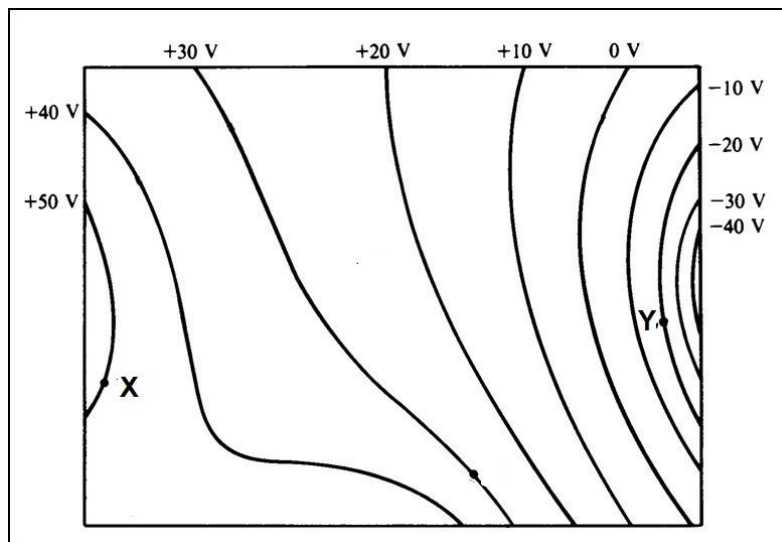


- 19 The diagram shows the electric equipotential lines in a non-uniform electric field.



An electron moves from point X to Y. Which of the following is correct with regard to the comparison of the electric potential energy  $U$  as well as the magnitude of the electric force  $F$  of the electron at point X and Y?

	Electric Potential energy	Magnitude of electric force
<b>A</b>	$U_Y < U_X$	$F_Y < F_X$
<b>B</b>	$U_Y < U_X$	$F_Y > F_X$
<b>C</b>	$U_Y > U_X$	$F_Y < F_X$
<b>D</b>	$U_Y > U_X$	$F_Y > F_X$