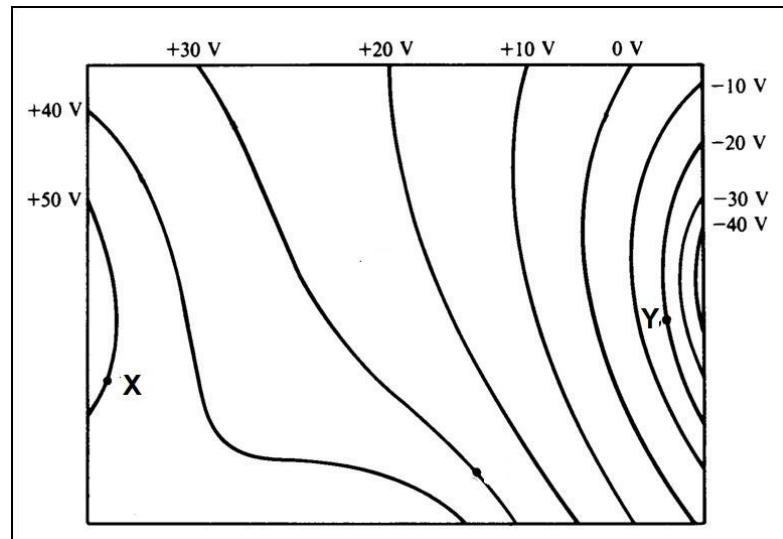


- 19 The diagram shows the electric equipotential lines in a non-uniform electric field.



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
A	$U_Y < U_x$	$F_Y < F_x$
B	$U_Y < U_x$	$F_Y > F_x$
C	$U_Y > U_x$	$F_Y < F_x$
D	$U_Y > U_x$	$F_Y > F_x$