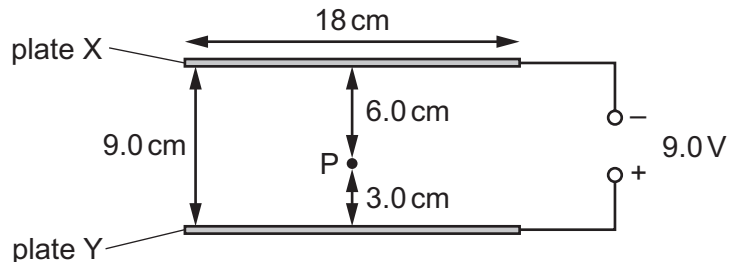


- 30** Two parallel circular metal plates X and Y, each of diameter 18 cm, have a separation of 9.0 cm. A potential difference of 9.0 V is applied between them.



Point P is 6.0 cm from the surface of plate X and 3.0 cm from the surface of plate Y.

What is the electric field strength at P?

- A** 50 NC^{-1} **B** 100 NC^{-1} **C** 150 NC^{-1} **D** 300 NC^{-1}