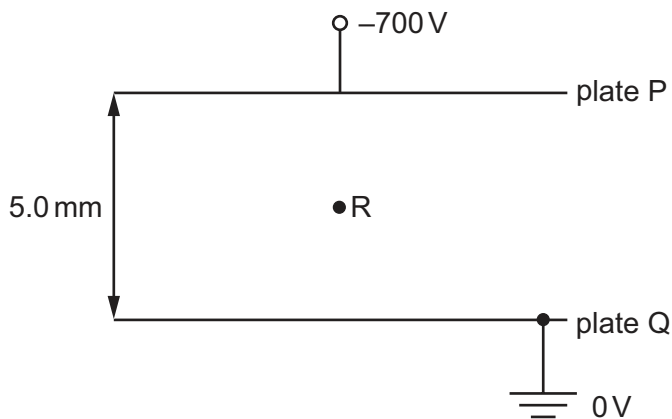


- 31 The diagram shows two metal plates P and Q. There is a potential difference of 700 V between the plates. Plate Q is earthed.



What is the magnitude and direction of the electric field at point R?

- A  $1.4 \times 10^2 \text{ NC}^{-1}$  from P towards Q
- B  $1.4 \times 10^2 \text{ NC}^{-1}$  from Q towards P
- C  $1.4 \times 10^5 \text{ NC}^{-1}$  from P towards Q
- D  $1.4 \times 10^5 \text{ NC}^{-1}$  from Q towards P

- 32 The current  $I$  in a copper wire can be calculated using the equation shown