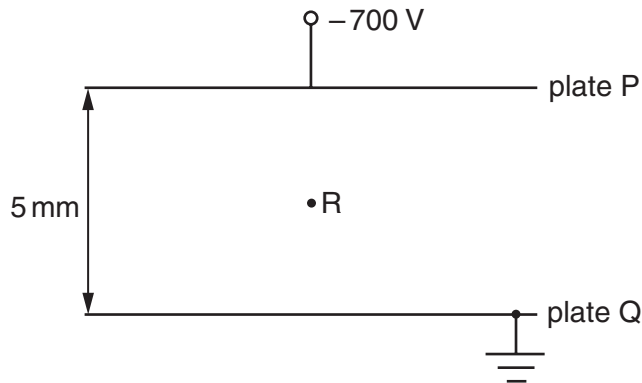


- 36** The diagram shows two metal plates P and Q between which there is a potential difference of 700 V. Plate Q is earthed.



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

- A** $1.4 \times 10^2 \text{ N C}^{-1}$ from P towards Q
 - B** $1.4 \times 10^2 \text{ N C}^{-1}$ from Q towards P
 - C** $1.4 \times 10^5 \text{ N C}^{-1}$ from P towards Q
 - D** $1.4 \times 10^5 \text{ N C}^{-1}$ from Q towards P
- 37** A positive charge and a negative charge of equal magnitude are placed a short distance apart