

JEE MAIN ELECTRIC CHARGES AND FIELDS — COULOMB'S LAW — PYQS

Max. Marks: 4
Questions: 1

Section A (MCQ) — 1 question

Q.1 Two point charges $q_1 = 3 \mu\text{C}$ and $q_2 = -4 \mu\text{C}$ are placed at points $(2\hat{i} + 3\hat{j} + 3\hat{k})$ and $(\hat{i} + \hat{j} + \hat{k})$ respectively. Force on charge q_2 is _____ N. (Take $\frac{1}{4\pi\epsilon_0} = 9 \times 10^9$ SI Units)

[JEE Main 2026 (Online) 8th April Evening Shift]

- (1) $(12\hat{i} + 24\hat{j} + 24\hat{k}) \times 10^{-3}$
- (2) $(4\hat{i} + 8\hat{j} + 8\hat{k}) \times 10^{-3}$
- (3) $(3\hat{i} + 6\hat{j} + 6\hat{k}) \times 10^{-3}$
- (4) $(-4\hat{i} - 8\hat{j} - 8\hat{k}) \times 10^{-3}$

Scan or tap for the full solution



ANSWER KEY

Ques.	1														
Ans.	2														