

2021 Ph H1 Q23

Section: Electricity

Topic: Capacitors

Question Summary

Capacitance is measured in farads. One farad is equivalent to which of the following?

Worked Solution

Definition of capacitance: $C = Q / V$.

So 1 farad = 1 coulomb per volt.

Final Answer: A

Revision Tips

- Capacitance: $C = Q/V$ ($F = C/V$).
- Energy stored: $E = \frac{1}{2} C V^2$.
- Charge unit: coulomb (C); voltage unit: volt (V).