

17. A $20\ \mu\text{F}$ capacitor is connected to a $12\ \text{V}$ d.c. supply.
The maximum charge stored on the capacitor is

A $1.4 \times 10^{-3}\ \text{C}$

B $2.4 \times 10^{-4}\ \text{C}$

C $1.4 \times 10^{-4}\ \text{C}$

D $1.7 \times 10^{-6}\ \text{C}$

E $6.0 \times 10^{-7}\ \text{C}.$