Question number	Answer		Mark
11(a)	• Use of $Q = CV$ • $Q = 3.8 \times 10^{-4}$ C Example of equation $Q = 32 \times 10^{-6}$ F $\times$ 6.0 V $\times$ 2 $= 3.84 \times 10^{-4}$ C	1 1	**(2)**
11(b)	• Use of $W = ½ CV^2$ **or** $W = ½ QV$ **or** $W = ½ Q^2/C$ • $W = 1.2 \times 10^{-3}$ J [ecf for Q, C, V from part a] Example of equation $Q = ½ \times 32 \times 10^{-6}$ F $\times$ (6.0 V)^2 $\times$ 2 $= 1.15 \times 10^{-3}$ J	1 1	**(2)**
	Total for Question 11		**4**