Question			Expected response	Max mark	Additional guidance
13.	(a)	(i)	$C = \frac{Q}{V}$ **(1)** $C = \frac{136.8 \times 10^{-3}}{5.7}$ **(1)** $C = 24 \times 10^{-3}$ F **(1)**	**3**	Accept: 20, 24.0, 24.00
		(ii)	$\%\Delta V = \left(\frac{0.1}{5.7} \times 100\right) = 1.8(\%)$ **(1)** $\Delta C = \frac{1.8}{100} \times 24 \times 10^{-3}$ **(1)** $\Delta C = 4 \times 10^{-4}$ F **(1)**	**3**	Or consistent with (a)(i) Suspend significant figures rule in this question. Anywhere Accept rounding at an intermediate stage in this question. Alternative method: $\Delta V = \left(\frac{0.1}{5.7}\right) = 0.018$ anywhere **(1)** $\Delta C = \frac{0.1}{5.7} \times 24 \times 10^{-3}$ **(1)** $\Delta C = 4 \times 10^{-4}$ F **(1)**
	(b)		$(t = 5RC)$ $t = 5 \times 15 \times 10^{3} \times 24 \times 10^{-3}$ **(1)** $t = 1800$ s **(1)**	**2**	Or consistent with (a)(i) Accept: 2000