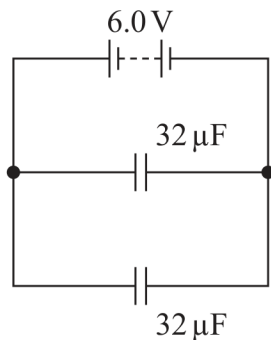


**SECTION B**

**Answer ALL questions. Write your answers in the spaces provided.**

- 11** The diagram shows two capacitors, each of capacitance  $32\ \mu\text{F}$ . The capacitors are connected to a battery of e.m.f.  $6.0\ \text{V}$ .



- (a) Calculate the total charge stored by the capacitors.

(2)

Total charge stored = .....

- (b) Calculate the total energy stored by the capacitors.

(2)

Total energy stored = .....

**(Total for Question 11 = 4 marks)**