2 Two identical capacitors were connected in series and charged. They were then discharged through a resistor and ammeter.

A student investigated how the current in the resistor varied as the capacitors discharged.

(a) Draw an appropriate circuit diagram for this investigation.

(3)

(b) State **one** safety precaution the student should take.

(1)



(Total for Question 2 = 12 marks)

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