

(c) Diagram 2 shows a different electric circuit containing three different lamps.

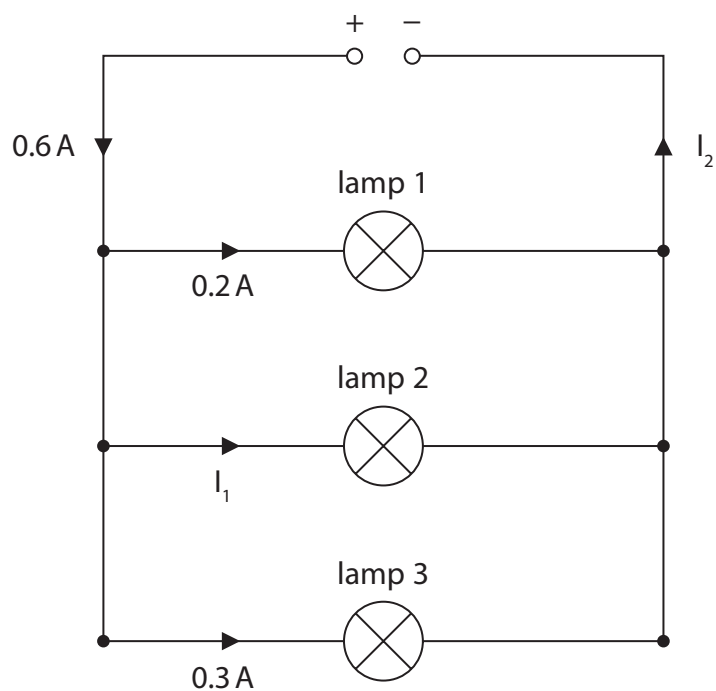


Diagram 2

(i) Calculate the current I_1 .

(1)

$$I_1 = \dots\dots\dots \text{ A}$$

(ii) State the current I_2 .

(1)

$$I_2 = \dots\dots\dots \text{ A}$$

(iii) Explain which lamp is the brightest.

(3)

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(Total for Question 7 = 8 marks)

