

1. a) Diagram 10 (i) shows a circuit diagram.
Rajah 10 (i) menunjukkan satu rajah litar.

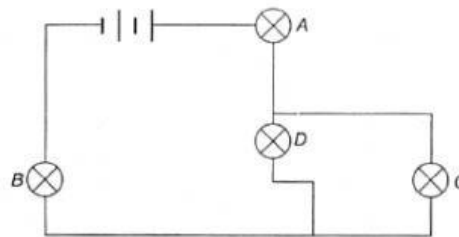


Diagram 10(i) / Rajah 10(i)

- (i) Which bulb will light up when bulb D is burnt?
Mentol yang manakah akan menyala sekiranya mentol D terbakar?
- (ii) Justify your answer in 10 (a)(i).
Wajarkan jawapan anda di 10 (a)(i).

[2 marks/markah]

[2 marks/markah]

- b) Ahmad set up a circuit and he puts two pieces of aluminium foil into a basin as shown in Diagram 10(ii).
Ahmad menyediakan satu litar dan dia meletak kepingan aluminium ke dalam besen seperti yang ditunjukkan dalam Rajah 10(ii).

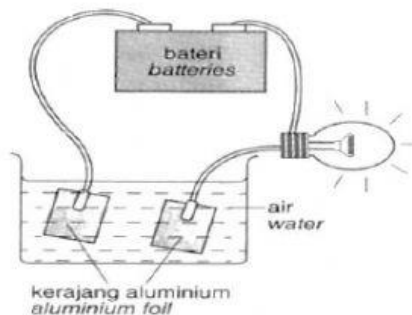


Diagram 10(ii) / Rajah 10 (ii)

What will happen to the bulb? Explain why.
Apakah yang akan berlaku kepada mentol? Terangkan mengapa.

[2 marks/markah]

- c) Diagram 10(iii) shows a series circuit that has two bulbs, P and Q.
Rajah 10(iii) menunjukkan satu litar bersiri yang mempunyai dua mentol P dan Q.

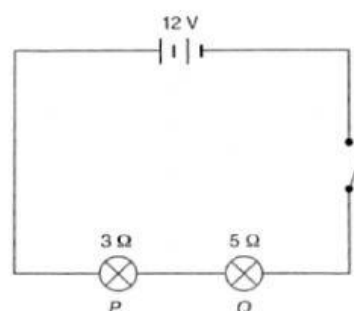


Diagram 10(iii) / Rajah 10(iii)

Calculate / Hitungkan

i) total resistance in the circuit <i>jumlah rintangan litar</i>	i) current which flows in the circuit <i>arus yang mengalir dalam litar</i>
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[4 marks/markah]