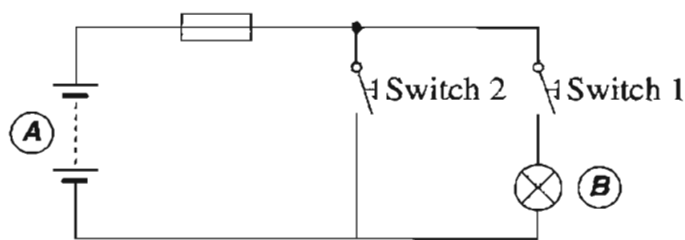


Electrotechnology

Section II (continued)

Question 19 (7 marks)

An electrical circuit is shown.



- (a) Identify the components (A) and (B).

	Component	
(i)	(A) Power Supply	1
(ii)	(B) light	1

- (b) Describe what will happen if Switch 1 is closed.

if switch one is closed the light will turn on

2

- (c) Describe what will happen if Switch 1 remains closed and Switch 2 is also closed.

the light will turn on but it won't have all the power going to it and that would make the light duller.
~~power~~ current will be halved.

3