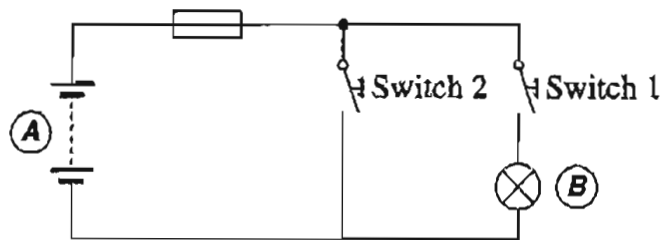


# Electrotechnology

## Section II (continued)

### Question 19 (7 marks)

An electrical circuit is shown.



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

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

- (b) Describe what will happen if Switch 1 is closed. 2

If switch 1 is closed light B will turn on. ~~but~~ and will be very bright because all of the current is going to the light

- (c) Describe what will happen if Switch 1 remains closed and Switch 2 is also closed. 3

The light will turn on but it will only be half as bright because half of the current is going through switch 2.