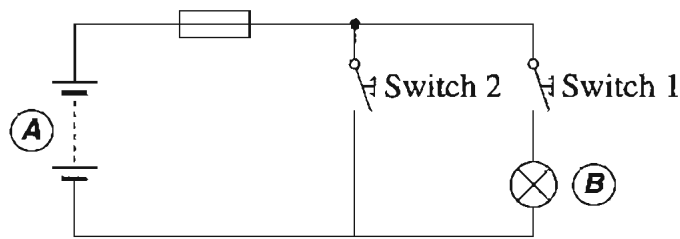


# Electrotechnology

## 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) Circuit breaker	1

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

The current flowing from the power source will lead on to the circuit breaker leaving the current at a 'still' or no flow ~~at all~~ of current at all.

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

The current flowing through will pass by Switch 2 and off back to the power source whilst the current flowing towards Switch 1 will cut off.