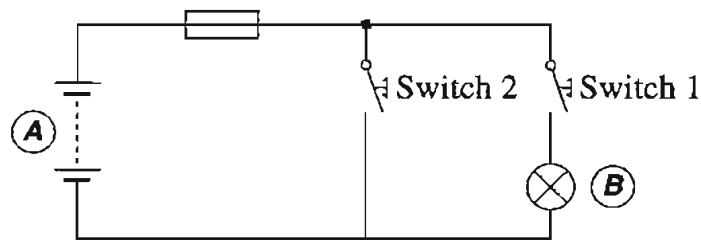


2009 HIGHER SCHOOL CERTIFICATE EXAMINATION
Electrotechnology

Section II (continued)

Question 19 (7 marks)

An electrical circuit is shown.



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

		Component	
(i)	(A)	Battery	1
(ii)	(B)	Light	1

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

If switch 1 is closed the light will work.

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

If switch 1 & 2 are closed the light will work but it will be very dull because the electricity has found a shorter path through switch 2.