2009 HIGHER SCHOOL CERTIFICATE EXAMINATION

Automotive

Section II (continued)

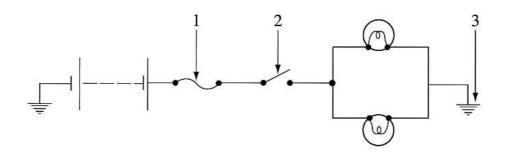
Question 19 (7 marks)

(a)	Why is it recommended that the earth lead be removed first and replaced last when disconnecting or connecting an automotive battery?	1
	he removed and replace first	
	Butleys are explosive because of the chemicals into producing explosive	
(b)	What does CCA refer to in an automotive battery?	1

cold Crankin Amps.

Question 19 continues on page 14

(c) This diagram shows some components in an electrical circuit.

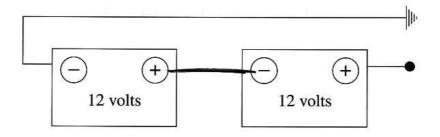


Complete the table naming and describing the function of each numbered component.

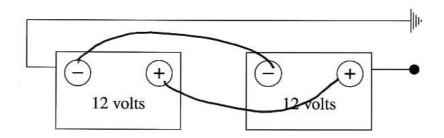
Component	Name	Function	
1,	luse	Bestras IF Curcut under 40 gr	exer
2	Switch	turn gisbes on or off	lour
3	earth	complete the circuit	

3

(d) In the diagram below, draw lines to show how to connect the terminals to increase battery output voltage to 24 volts.



(e) In the diagram below, draw lines to show how to connect the terminals to maintain battery output voltage at 12 volts.



End of Question 19