

8. (a) Figure 5a shows electric circuit setups to find the effects of increasing number of dry cells used in series circuit.

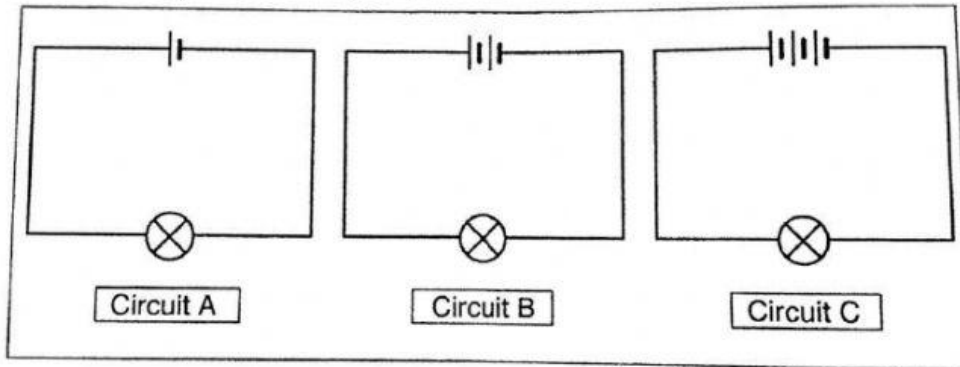


Figure 5a

- (i) Which circuit will be the brightest?

(1 mark)

- (ii) Which circuit will be the dimmest?

(1 mark)

- (iii) Name the electric component with the symbol .

(1 mark)

- (iv) State one way you can save electricity at home.

(1 mark)

9. (a) Study the flowchart as in Figure 6.

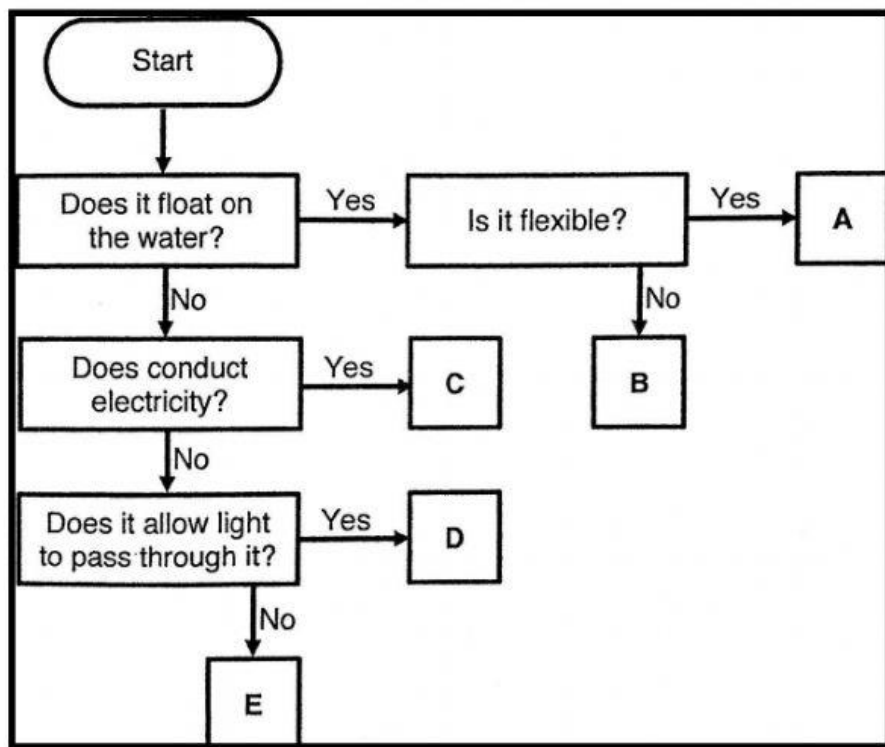


Figure 6

Harisah is trying to find out the type of material using the flowchart as in Figure 6. The objects that she has are shown in Figure 7.

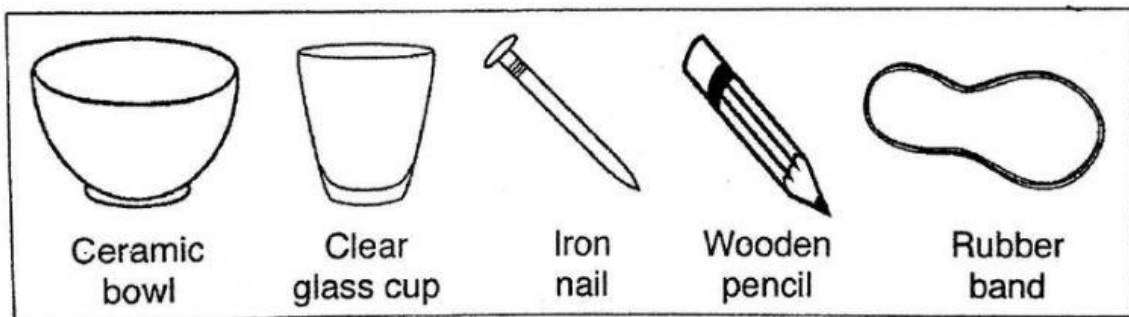


Figure 7

In the table below, write down the objects that Harisah has classified correctly using the chart.

	Box	Object
(i)	A	
(ii)	B	
(iii)	C	
(iv)	D	
(v)	E	

(5 marks)

b) Many objects used in our daily lives are simple machines. There are many types of simple machines.

(i) How are machines useful to us?

(1 mark)

(ii) Figure 8 shows 3 different types of simple machine.

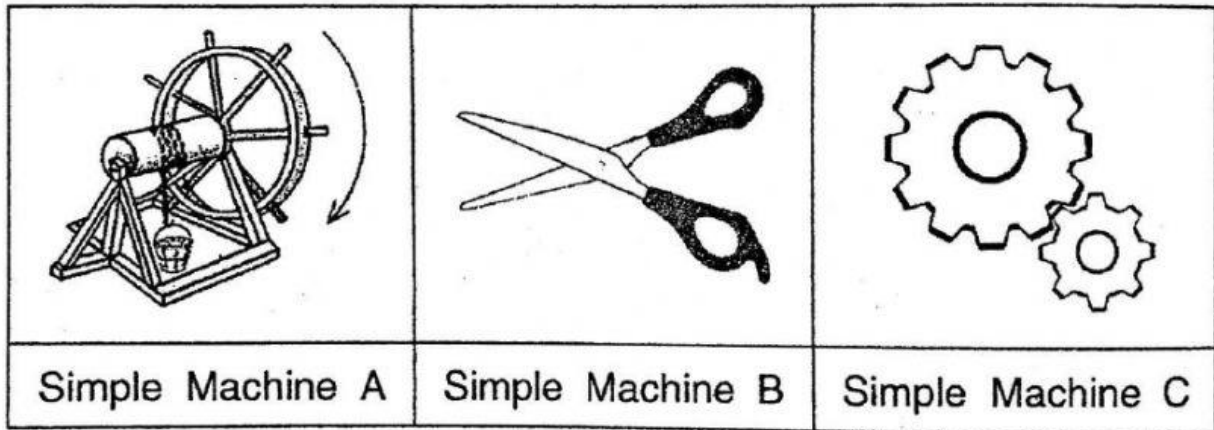


Figure 8

Name the simple machine in Figure 8.

A. Simple Machine A: _____

B. Simple Machine B: _____

C. Simple Machine C: _____

(3 marks)