

## PART C

16

**Instruction:** Write the answers in the spaces provided.

### 5.1 Sources and Various Forms of Energy

I Diagram I shows the situation in a house.

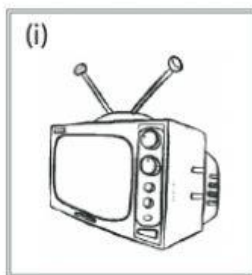


Diagram I

(a) List **four** forms of energy that are shown in Diagram I.

(2 marks)

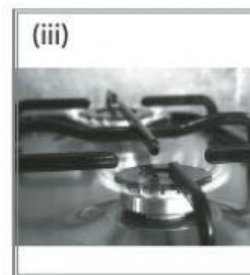
(b) State the transformation of energy for the electrical appliances shown in Diagram I.



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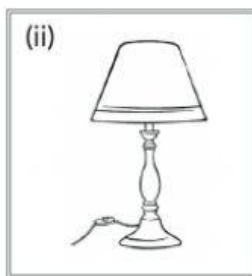
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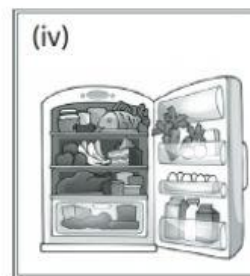
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(4 marks)

2 Diagrams 2.1 and 2.2 show two electrical appliances.

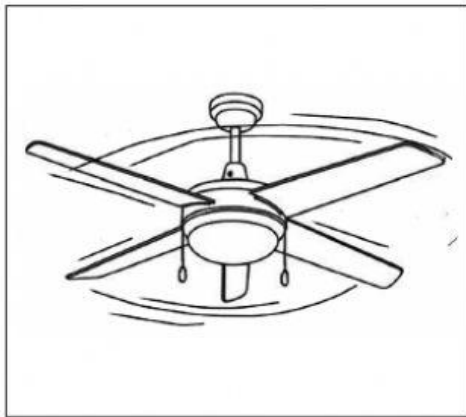


Diagram 2.1

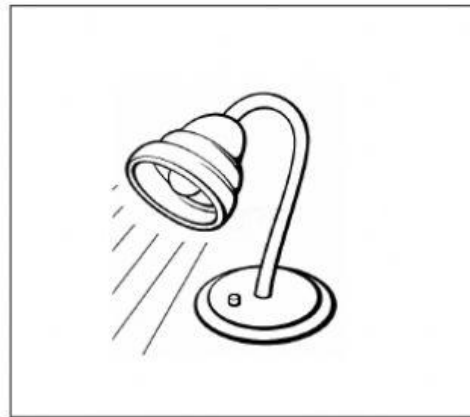


Diagram 2.2

State the forms of energy generated by the electrical appliances in Diagrams 2.1 and 2.2.

- |      |             |                             |  |
|------|-------------|-----------------------------|--|
| (i)  | Diagram 2.1 | } Forms of energy generated | <div style="display: inline-block; width: 100px; height: 100px; border: 1px solid black; transform: rotate(45deg);"></div> <div style="display: inline-block; width: 100px; height: 100px; border: 1px solid black; transform: rotate(-45deg);"></div> <div style="display: inline-block; width: 200px; height: 20px; border-bottom: 1px solid black; margin-top: 10px;"></div> <div style="display: inline-block; width: 200px; height: 20px; border-bottom: 1px solid black; margin-top: 10px;"></div> |
| (ii) | Diagram 2.2 |                             |  |
- (2 marks)

3 Diagram 3 shows Ikmal is using some electrical appliances while studying.



Diagram 3

(a) In your opinion, is Ikmal's action sensible?

- ☐ Yes
- ☐ No

(b) Give your reason.

**HOTS**

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(2 marks)