



(I)Textbook

A- Answer the following questions :

- 1) If the earth had no atmosphere to reflect or scatter sunlight, the sun, and stars could be seen at the same time against a dead black sky.
- 2) *They have a wide range of uses.
 - *They can be shaped or worked in many different ways.
 - *They can be made harder or softer as needed.
 - *They can be repaired relatively easily.
 - *They can be mixed with each other to form alloys with specific properties.
 - *They can be used in very hot parts of machinery e.g. combustion chambers.
- 3) It is necessary to reduce further the amount of carbon which the iron contains. This is done by heating the iron up again in e.g. **a Bessemer converter** or an electric-furnace.
- 4) Iron ore – Coke – Limestone – Hot air.
- 5) Luminous bodies give off light such as sun and stars and non- luminous bodies are visible only when they receive light from some luminous bodies and reflect it to our eyes.
- 6) Produce a rise in temperature – evaporation – melting – cause chemical actions.
- 7) cast iron – pig iron – wrought iron and steel
- 8) Yes by *recycling metals. * not using metals wastefully.
 - *not using metals at all. *damaged parts should be repaired, rather than thrown away.
- 9) Stainless steel.
- 10) Cheap electricity became available.

11)

a) Meaning:

Premises: the buildings and land occupied by a business.

Starvation: the state of having no food for a long period, often causing death.

Brittle: easily broken.

Bar- code system: a label with stripes of different thickness which identify a product.

b) Opposite

Use: misuse or abuse

Cheap: expensive

Mild: Not violent, extreme

Internal: external.

c) Noun

Receive: receiver

Reflect: Reflection

Observe: Observation

Discover: Discovery

d) Distinguish:

1) **Chain:** a set of metal rings connected together in a line.

Link: is one of the rings in a chain.

2) **Heat:** a form of energy.

Temperature: the degree of hotness or coldness of a body or a substance.

3) **Familiar:** well- known, easily recognized. (for people)

Commonplace: ordinary, everyday common thing.

4) **Effect:** power or ability to influence or produce a result.

Affect: to act upon, influence.

12) Rephrase:

- a) Hit – break
- b) The same standard.
- c) Covered from the inside.
- d) Tools or containers

(II) Grammar and Structure:

A) Complete the sentence with a prepositions:

- | | | | | |
|--------|---------|-------|------------|---------|
| 1) At | 2) onto | 3) to | 4) of | 5) into |
| 6) To. | 7) At | 8) at | 9) through | 10) to. |

B) Choose the correct answer :

- | | | | |
|----------------|------------------|-----------|---------|
| 1) Are working | 2) is increasing | 3) do not | 4) flew |
| 5) Greenfield | 6) off | 7) four | 8) up |
| 9) Layout | 10) outskirts | | |

C-Do as shown in brackets :

- | | |
|------------------------------------------------------|-----------------------------------------|
| 1) Who lives in that house? | 2) Was raining. |
| 3) The paper is wound onto reels. | 4) Neither did he cheat nor did he lie. |
| 5) What did he say? | 6) Do you know what time they left? |
| 7) He asked me if/whether I could lend him so money. | |
| 8) I suppose not/ I do not suppose so. | |
| 9) a) Jane, you haven't got a pen, have you? | b) It's a nice day, isn't it? |

III- Reading Comprehension

Answer the following questions:-

- 1. From the sun.
- 2. Solar-powered vehicles have batteries which are charged by the sun's rays. Unfortunately, the batteries run out very quickly and it takes a long time to charge them again.
- 3. Local companies helped by giving them money and equipment.

B) Choose the correct answer from a, b, c or d:

- 4. b) 48 km.
- 5. c) relates to a particular place.

IV- Writing a paragraph

Writing is assessed by the examiner.