



(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.