



## **(1) Text-book**

### **Answers:**

**(20 marks)**

**(A)**

- 1- \* Elements are pure materials in their basic form. They cannot be broken down into different constituents.  
\* Compounds consist of two or more elements that are chemically bound.
- 2- \* Durability: how long the material will last.  
\* Gravity: the pull of the earth.
- 3- The properties of a metal can be changed by heat treating it “heating and cooling the metal”.
- 4- The types of raw materials are:  
\* Powder: quantities of very fine particles. Ex: cement powder.  
\* Pellets: larger, standard-sized pieces of materials, typically pea-sized to egg-sized, intended to be melted for forming in mounds. Ex: plastic pellets.  
\* fibres: very fine, hair-like length. Ex: glass fibres.
- 5- \* Sheets of wood are often called boards.  
\* sheets of metal are delivered in large quantities, they can be supplied in rolls called coils

**(B)**

- 6- b) non-metal
- 7- c) kinetic
- 8- a) rectangular
- 9- d) flat
- 10- c) casting

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## **(2) Grammar & Structure**

**(15 marks)**

### **Answers:(A)**

- 1- Have you sold Youssef your bike?
- 2- What shirt does Abdallah wear?
- 3- Who watched a DVD?
- 4- Let’s go out now. It isn’t raining any more.
- 5- Let’s go for a swim, shall we?

**Please: Go to the next page**



(B)

- 1- every day
- 2- Many of
- 3- so
- 4- neither
- 5- take

(3) **Reading comprehension**

(15 marks)

- 1- The sunset will appear yellow, because the light from the sun has passed a long distance through air and the blue light has been scattered away.
- 2- If the air is polluted with small particles, natural or otherwise, the sunset will be more red.
- 3- Sunsets over the sea may also be orange, due to salt particles in the air.
- 4- The sky around the sun is seen reddened, as well as the light coming directly from the sun. This is because all light is scattered relatively well through small angles.
- 5- Twice.

(4) **Writing Composition**

(15 marks)

Any good paragraph in **ONE** only of the three is right and acceptable.

(5) **Translation**

(15 marks)

**(A) Answers:**

تقاس درجة الحرارة بالدرجة السليزية، و لكن الحرارة هي طاقة، فلهذا تقاس بالجول.

**(B) Answers**

Energy cannot be created or destroyed, only converted from one form to another.

**Any good and correct translation is acceptable.**

**BEST WISHES**  
**Ghada Sharaf**