

**Read the text then do the activities.**

There have been so many tremendous advances in technology over the last century and the pace keeps accelerating. Every day new things are discovered or invented. This is possible thanks to science.

It is science, with its various disciplines that provides us with explanations about the natural phenomena that surrounds us. It also provides us with solutions to many of our problems. Physics for instance leads to the invention of many useful houses' hold materials. Chemistry explains the principal of the matter like the atom, molecules, compounds and how these compounds make countless substances like the water we drink, the food we eat or the air we breathe. Biology or the study of life, teaches us how living things are categorized and how they are reproduced.

Moreover, to keep an economy growing we need a new wave of educated students qualified for a modern scientific research and technological development. The latter should be curious, engaged, in a constant questioning and research for answers. Science can open many doors for them since a large percentage of jobs today requires background in science.

**Part One: A/-Reading Interpretation (8pts)**

1- The text is: a-descriptive                      b- expository                      c- argumentative (0.5pt)

2-Choose the general idea of the text. (0.5pt)

- a- The importance of science.
- b- The importance of technology.
- c- The technological advances.

3-Say if these sentences are true or false according to the text: (2pts)

- a- Science is a result of the technological advances.
- b- Biology studies the living beings.
- c- Physics studies the composition of water.
- d- Pupils who are good in science have better opportunities to get a job.

4-Answer the following questions according to the text. (4pts)

- a- Which scientific disciplines are mentioned in the text?
- b- How can science develop a country's economy?
- c- What are the qualities of a scientific person?
- d- As far as his future is concerned, which benefit can science provide to the student?

5-What or who do the underlined words refer to in the text? (1pt)

Its → .....(2<sup>nd</sup> §)

that → .....(2<sup>nd</sup> §)

**B/ TEXT EXPLORATION: (7pts)**

1- Find in the text the synonyms of: (1pt)

Great =.....( 1<sup>st</sup>§)

different=.....(2<sup>nd</sup> §)

2- Complete the table: (1pt)

| Nouns       | Adjectives |
|-------------|------------|
| Fantasy     | .....      |
| description | .....      |
| Meaning     | .....      |
| flexibility | .....      |

3- Put the verbs between brackets in the correct tense: (1.5pts)

- a- Centuries ago, men (to use).....drums to send and receive messages.
- b- Today, it (to be).....possible to communicate internationally by satellite.
- c- By the year 2050, electronic information technology (to transform) the world in its different disciplines: business, schools and family life.

4- Circle the silent letters: (1.5pts)

Doubt - right - half - autumn - psychology - castle.

5- Fill in the gaps with: **although, has, because, as a result.** (2pts)

.....Japan has poor natural resources, it .....become a world economic power .....it masters all the modern aspects of technology. .... Japan becomes one of the most powerful countries in the world.

**Part Two : Written expression :(5pts)**

**Chose one of these topics:**

**Topic one:** how can we encourage and promote science among the pupils at school.

- Provide schools with the necessary scientific materials, laboratories.....
- Using the new technological means: internet.....
- Encourage the pupils' experiments and inventions.....
- Rewarding the young inventors and the pupils that excel in scientific subjects.....
- Inviting scientists to discuss scientific topics with the pupils.....

**Topic two:** choose a scientific discipline (mathematics, physics, ecology, astronomy.....) describe it and show its importance in our daily life.