# الجمهورية الجزائرية الديمقراطية الشعبية

دورة ماي 2015

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المدة: 2 ساعات و نصف

الشعب علوم تجريبية ، تقني رياضي ، تسيير و اقتصاد

الموضوع الأول

PART ONE: Reading
A) Comprehension

(15 points) (8 points)

Read the text carefully then do the activities below.

Today everywhere in the world, people have developed a new attitude towards the act of buying. The fact that markets are filled with all sorts of goods encourages everyone to engage in the purchase of a large variety of items. Some of **these** are essential either because they contribute for our biological survival like food and medicine or because they play an important part in protecting our mental balance like songs and books.

But next to such vital things we find numerous elements which we feel obliged to acquire although they do not have any determining role in our existence. It is the case with fashion clothes, paintings, objects of decoration, jewels and make up products. We can also integrate in the same category the electronic devices that equip modern houses. The list still includes cameras, phone mobiles, gold watches and a multiple of article which we buy just because they are accessible in market.

All these items do not add much to the basic needs of our species. Yet, all of us are eager to get them provided we have the means to do so. They are gradually incorporated in our life and form an important aspect of it. They have brought an additional feature to our life-style and participate in shaping our personality to some extent. We are unable to abandon their use for the simple reason that such an attitude will expose us to severe criticism from our fellows who will think that we no longer belong to modernity and civilization.

Besides, the general environment prevailing in the economic world does not offer us the possibility to adopt a position of total freedom as regards our choices as buyers. No argument is powerful enough to make us change our views. It is rather with pride and even with heroism that we look at the diverse things we purchase. We often consider them as undeniable evidence about our capacity to behave successfully in our relationships with others.

Source: Process in English Practice

- 1. Say whether the following statements are True or False according to the text.
  - a. Markets are supplied with all sorts of goods.
  - b. All the goods we find in the markets are essential to our life.
  - c. People are unable to keep away from buying unnecessary things.
  - d. The economic conditions oblige people to become heavy consumers.
- 2. In which paragraph is it mentioned that people are afraid of being regarded as uncivilized creatures?
- 3. What or who do the underlined words refer to in the text?
  - a. these (§1)

b. it (§3)

- 4. Answer the following questions according to the text.
  - a. What makes people able to buy various goods?
  - b. What items do we consider as being vital in life?
  - c. How do people feel when they can buy various things?
- 5. Choose a title to the text.
- a. Technology and development b. Consumption in modern societies c. Consumption and economy

B) Text Exploration

(7 points)

1-Find in the text words whose definitions follow.

- a. A substance used for treating disease. (§1)
- b. The act of forming and expressing judgments about good or bad qualities of anything. (§3)
- 2. Complete the following chart as shown in the example.

Noun	Verb	Adjective
Example: consumption	consume	consuming
existence		
		economic

3. Connect each pair of sentences with one of the words given.

-while -though -then -because - so....that.

- a. The goods in markets are available. People cannot stop buying them.
- b. Some goods are not essential. They do not play any vital part in our fight for survival.

4. Classify the following words according to the pronunciation of their final's'.

a. items	b. includes	c. sorts	d. encourages.	
/s/	/2/	eatracquoen v.h.	/iz/	
The state of the s	Sile of Stagloung the			

5. Fill in the gaps with words from the list.

PART TWO: Written Expression

(5 points)

Choose one of the following topics:

Either Topic 1: In your city, you feel that consumers are not protected against the defects of goods they buy. So you decide, with a group of friends to create an association of consumers.

Write a composition in which you expose the reasons and objectives of this association.

You may use the following ideas:

Reasons: counterfeit/cheap products lower quality/harmful, not lasting.

Objectives: to sensitize the consumers, to protect them, to buy safe products.

Or Topic2: Write a composition explaining the benefit of advertising on both the producer and the consumer.

## الموضوع الثاني

### Read the following text carefully and do the activities

Astronomy is the study of celestial objects, phenomena, and origins. One of the oldest sciences, astronomy has been practised since prehistoric times. Modern astronomy depends highly on accepted physical theories, such as Newton's Laws of Motion and general relativity. In the past, astronomy was something anyone could do, and many seers and sages made reputations for **themselves** by using the stars for useful functions, such as telling what time of the year it is, or navigating the seas. Columbus and his contemporaries used the stars to navigate across the Atlantic Ocean.

It wasn't until the Renaissance that the theory of heliocentricity in astronomy, the idea that the Earth orbits the Sun rather than vice versa, began to acquire popular currency. Telescopes were invented in 1611 by Galileo Galilei, and he used <u>his</u> to take detailed observations of our Moon, which he revealed was mountainous. Newton improved on Galileo's design, inventing the reflecting telescope, which is still used in optical telescopes to this day. In 1781, Sir William Herschel discovered the planet Uranus. In 1838, parallax — the slight difference in stellar position due to Earth's location in its orbit — was used to precisely determine the distance of stars. Neptune was discovered shortly thereafter. Pluto was discovered only as recently as 1930.

Modern astronomy is very complicated and expensive. Instead of only observing light rays, we observe radar, infrared, x-rays, and even cosmic rays. The future of astronomy lies in the development of new observational technologies. One of the interests is interferometer, sometimes called "hyper telescopes," which use a network of telescopes working cooperatively to resolve images. These could develop to the point where we can observe extra solar planets with telescopes directly, instead of just detecting them.

"From the internet"

#### 1. Choose the general idea to the text.

- a. The location of Earth in its orbit.
  - b. The importance of astronomy throughout ages.
  - c. Scientists' achievements.

#### 2. Are these statements true or false? Write T or F next to the letter corresponding to the statement.

- a. Astronomy is a science which depends on physical theories.
- b. In the past anyone could use astronomy for specific goals.
- c. By using his telescope, Galileo couldn't have details about the moon.
- d. The hyper telescopes couldn't allow people to observe extra solar planets.

#### 3. Answer the following questions according to the text.

- a- Is astronomy one of the ancient sciences? Justify
- b- When did people acquire the idea that Earth orbits the Sun?
- c- How could astronomy be improved?

4. Fill in the following table.

Discoveries or Inventions

5	What or	who do	the und	orlined	words	refer to	in the	text
"	mille of	will ut	ine unu	citiiicu	worus	icici iu	the the	icai.

Themselves 1<sup>st</sup> § → his 2<sup>nd</sup> § → which 3<sup>rd</sup> § -

B) Text Exploration:

(7 points)

militar de doue, anothered labere adf . . . .

an boyongmic nonzest semilarment sem

the last meaning -- the slight difference in stella

I The hyperstelescopes couldn't allow people to

1. Find in the text words that are synonyms to the following.

a. rotates  $(2\S) =$ 

b. developed  $(2\S) =$ 

c. finding out  $(3\S) =$ 

2. Complete the chart as shown in the example.

Adjectives	Nouns
Eg.Developed Alive	Development
Believable	TO SELVE TO THE TOTAL OF U. TO SE
Long	L000 offr

3. Rewrite sentence (b) so that it means the same as sentence (a).

1-a-Astronauts brought back Moon rocks to be studied.

b- Moon rocks....

2-a-I couldn't see the stars as the weather was bad.

b-Because of.....

3-a. "What are satellites used for?" He asked him.

b- He asked him.....

4. Classify the words according to the number of their syllables.

Moon- planet - universe- galaxy- explore-space

1syllable	2syllables	3syllables

5-Fill in the gaps with words from the list:

	1		, 1000	
a. heavenly	b. their	c. comets	d. science	e. other

Astronomy is perhaps the oldest recorded science. It is the.... (1).....of celestial bodies: the Sun, the Moon, the planets, galaxies and...2... object in our universe. It studies...... (3)...... positions, motions, distances, physical conditions, their origins and evolution. The........ (4)...... bodies have always stimulated the imagination of men.

### PART II: Written expression: (5pts)

Choose only one topic:

<u>Topic 1:</u> Some people think that space researches are useless; they are a waste of money and time. Write a composition to prove the opposite. Use these notes:

-Predict natural catastrophes.

- -Help scientific research (blood analysis).
- -Know more about the origin of the universe.
- -Solve the overpopulation problem.

<u>Topic 2:</u> Suppose you work in a company where no moral value is respected. Write a letter of complaint to the social auditor, in which you denounce the unethical practices in your company (false accounting, unhealthy and no safety conditions, bad pay, long hours of work).