



الجمهورية الجزائرية الديمقراطية الشعبية

الديوان الوطني للامتحانات والمسابقات

وزارة التربية الوطنية

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امتحان بكالوريا التعليم الثانوي

الشعبة : علوم تجريبية، رياضيات، تقني رياضي، تسيير و اقتصاد

المدة : 02سا و 30د

اختبار في مادة : اللغة الإنجليزية

على المترشح أن يختار أحد الموضوعين التاليين:

الموضوع الأول

Part One: Reading

(15 points)

A/ Comprehension and Interpretation

(08 pts)

Read the text carefully and do the activities.

NASA has confirmed the discovery of Kepler 452b, the most Earth-like planet ever encountered. It is located in the Goldilocks zone, an area in which a planet is just the right distance from a host star. **This planet** would have "just the right" conditions to support liquid water and possibly even life. This extraordinary world was spotted by the Kepler Space Telescope and is the first confirmed planet among over 500 potential candidates being added to the mission's catalogue. The planet is 1,400 light-years away from our Solar System and orbits a star that astronomers call our Sun's cousin. While this star is four percent more massive and ten percent brighter, the distance between it and Kepler 452b is approximately the same as Earth's distance from the Sun. The planet itself has a radius 60 percent larger than Earth and is suspected to be rocky, with a thick atmosphere and a significant amount of water.

Kepler 452b's host star is 1.5 billion years older than ours, and will give scientists a glimpse into how the Sun's age will eventually affect Earth. "The increasing energy from its aging sun might be heating the surface and evaporating any oceans. The water vapor would be lost from the planet forever," said Doug Caldwell, a scientist assigned to the Kepler mission. "Kepler 452b could be experiencing now what the Earth will undergo more than a billion years from now, as the Sun ages and grows brighter."

*Adapted from Observer,
"Discovery of Habitable Earth- like Planet Announced", July 2015, by Robin Seemangal*

1. Choose the letter that corresponds to the right answer. The text is...

- a. prescriptive b. narrative c. expository

2. Write the letter which best completes the statement.

- A. Kepler 452b is the most to our planet.
a) different b) remote c) similar
- B. Kepler 452b would contain the conditions to support liquid water.
a) unusual b) suitable c) unsuitable
- C. Our Sun's cousin gives off light.
a) more b) no c) less
- D. Our star is kepler 452b host star.
a) older than b) younger than c) as old as

3. Answer the following questions according to the text.
 - a. Where is Kepler 452b situated?
 - b. What might be the components of Kepler 452b?
 - c. How can this discovery be beneficial for scientists and humanity?
4. In which paragraph is it mentioned that life may be possible on Kepler 452b?
5. Who or what do the underlined words refer to in the text?
 - a. This planet (§1)
 - b. ours (§2)

B/Text Exploration

(07 pts)

1. Find in the text words or phrases that are opposite in meaning to the following:
 - a. unlike (§1) ≠
 - b. found (§2) ≠
2. Divide the following words into roots and affixes.
Disappearance - undergo - aging

Prefix	Root	Suffix

3. Rewrite sentence (b) so that it means the same as sentence (a).
 - 1- a. NASA has confirmed the discovery of Kepler 452b.
b. The discovery of Kepler 452b
 - 2- a. "Kepler 452b could be experiencing now what the Earth will undergo", says Caldwell.
b. Caldwell says that
 - 3- a. I have a strong desire to set foot on the Moon someday.
b. I wish
4. Classify the following words according to the pronunciation of their final "s".
practices - candidates - stars - travels

/s/	/z/	/ɪz/

5. Fill in the gaps with words from the list.
astronomical - defined - satellite - moon
A satellite can be ... (1)... as any object that orbits around something else. There are ten types including ... (2)... satellites. For example, the ... (3)... orbits around Earth and is thus a natural ... (4)..., but man-made ones are called artificial objects.

Part Two: Written Expression

(05 points)

Choose **ONE** topic only.

Topic One.

Some people think that satellites and space exploration are a waste of time and money while others disagree. You are a member of a space association. Write a public statement of about 80 to 120 words in which you defend your point of view and try to convince people of their importance.

You may use the following notes:

- Telecommunications – exploring expeditions - gathering information about other planets
- Research – weather forecast – predicting natural disasters...

Topic Two.

Next December, you will attend an anti-corruption summit in Strasbourg organized by Transparency International.

Write a speech of about 80 to 120 words for the opening ceremony in which you suggest solutions to fight corruption in the world.

انتهى الموضوع الأول

B/ Text Exploration

(07 pts)

1. Find in the text words or phrases that are opposite in meaning to the following:

- a- extract (§1) ≠ b- competition (§2) ≠ c- receive (§3) ≠

2. Complete the chart as shown in the example:

	Verb	Noun	Adjective
Example	<i>to collaborate</i>	<i>collaboration</i>	<i>collaborative</i>
	expected
	success
	to progress

3. Join each pair of sentences using the connector between brackets. Make any necessary changes.

- a- The process of copying is easy. Students download whole sections of existing work. (so....that)
 b- Ethical principles are maintained. Educators transmit the traditions of ethical thinking to each generation of students. (providing that)

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

website - ethical - downloading - core

One syllable	Two syllables	Three syllables

5. Re-order the following sentences to make a coherent paragraph.

- a. Cheaters get rewards that they don't deserve
 b. It is a deeply unfair behaviour that hurts other students.
 c. believing that it's a private behaviour that doesn't hurt anyone.
 d. Cheating is not a victimless act.

PART TWO: Written Expression

(05 pts)

Choose ONE of the following topics.

Topic One:

Your class project has been copied and presented by a classmate of yours. You felt cheated and decided to report the situation to the teacher and, even, to the class. Make use of the information in part ONE (Reading) to give a talk of about 80 to 120 words about property theft.

Topic Two:

Using the social media has become a risk to adolescents' education more often than adults realise. Write an article of about 80 to 120 words for your school magazine about some of the risks and how to prevent them.

انتهى الموضوع الثاني