**الجمهورية الجزائرية الديمقراطية الشعبية**

 **مـد يـريـة الـتــربـية - الوادي** **ثــانـويات : المقاطعة البيداغوجية الثالثة**

 **امتحان الباكالوريا التجريبي ماي2014**

**الشعبة : العلوم التجريبية +الرياضيات+التقني رياضي +التسيير واقتصاد المدة : ساعتان ونصف**

 **PAPER 01**

**Part one: Reading (15 points)**

**A. Comprehension (8 points)**

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

 **The Sun**

 Without the sun we cannot observe our universe. The sun is a central star around **which** our

planet Earth and the other ones which compose the solar system rotate regularly.

 Of all the planets in our own solar system, we are now pretty certain that Earth is the only one on which life exists. Mars is too dry and poor in oxygen, Venus is far too hot and so is Mercury. The outer planets have temperatures near absolute zero and hydrogen dominates **their** atmospheres. But other suns, stars as the astronomers call them, are bound to have planets like our own and as the

number of stars in the universe is so vast, this possibility becomes virtual certainly. There are about

100 billion stars in our own Milky Way and about 3 billion other galaxies in the universe. So, the number of stars is now estimated about 3 trillion.

 Although perhaps only 1% of the life that has been started somewhere will develop into highly

complex and intelligent patterns, so vast is the number of planets that intelligent life is bound to exist.

**From the Weekend Telegraph**

**1. Are these statements true or false?**

 a. The Milky Way is a planet.

 b. We are sure that life is possible only on earth among all the planets of the solar

system.

 c. Other stars may have planets.

**2. Fill in the following table according to the text.**

|  |  |
| --- | --- |
| **Planet** | **Characteristics** |
| Mars | …………….. |
| ………….. | far too hot |
| Outer planets | ……………………. |

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

 a. Why is life impossible on planet Mars?

 b. How is our galaxy called?

 c. Is it sure that life exists on other planets of other galaxies?

**4. Who/ what do the underlined words refer to in the text?**

 a. which (§1) b. Their (§2)

***5.* The type of discourse in the text is .......**

 a**-**Argumentative

 b-Expository

 c-Narrative

 **Page 1 / 2**

**B. Text Exploration (7 points)**

***1. Find in the text words that are closest in meaning to the following.***

 a. orbit (§1) b. similar to (§2) c. big (§3)

**2. Give the opposite of the following words keeping the same root**

 without - certain - compose

**3. Give the correct form of the verbs between brackets.**

 Earth (be) the only planet on which life exists. This life (threaten) by many other

heavenly bodies in space. If one of them (crush) into earth, it (create) many sophisticated

problems

**4. Underline the silent letters in the following words.**

 high - column - star - know

**5. Fill in the gaps in the following paragraph with words from the list.**

 **telescope - forms - Mars -Earth**

...1... the red planet is named after the Roman god of war. Its distinctive rust colour is easily seen through a...2... Mars features many mountains, canyon and even polar ice caps like those here on...3... In ancient times, Mars harboured some kind of life and there is a lot of research now trying to get an answer as to whether we are the only life...4... in the solar system.

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

 Choose ***ONE***of the following topics

**Topic 1:**

 **Use the following notes to write a presentation of planet Mars.**

Fourth planet

Half size of Earth

Two moons

Surface: volcanoes, valleys, plains

Atmosphere: carbon dioxide, nitrogen, oxygen, water vapour, other gases

Cold surface temperature, low surface pressure

**Topic 2:**

 You are the owner of a travel agency and you are going to organise a holidays trip. Write an

advertisement about it

 **GOOOOOOOOOD LUCK**

 **Page 2 \2**