**الجمهورية الجزائرية الديمقراطية الشعبية**

**وزارة التربية الوطنية مديرية التربية للولاية الطارف**

**امتحان البكالوريا التجربية ماي2013**

**الشعب (ة) : علوم تجريبية ، تقني رياضي ثانوية داغوسة**

**اختبار في مادة : اللغة الانجليزية المدة : ساعتان و نصف**

**على المترشح أن يختار أحد الموضوعين التاليين**

**الموضوع الأول**

**PART 1: READING                                                                                                                     (15 points)**

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

 NASA has successfully launched a rocket carrying a planet-hunting telescope. The powerful Kepler telescope will search for planets similar to the Earth. Scientists believe there are good chances of finding a planet like ours somewhere out there in the galaxy. There are billions and billions of stars in the heavens. If one planet is the right distance from one of these stars, then conditions might be right to support life. The planet’s atmosphere should neither be too hot nor too cold. The planet would also need water. The telescope is named after the German 17th-Century astronomer Johannes Kepler. **It** will spend more than three years looking for dark specks against the brightness of a hundred-thousand stars. These specks could be Earth-like planets.

 **The manager** of the $600-million project Jim Fanson said: "We have a feeling like we're about to set sail across an ocean to discover a new world." NASA’s space science boss Ed Weiler agreed that the mission was a “historical” landmark in space exploration. However, he couldn’t say whether or not the telescope would find another Earth. “It very possibly could tell us that Earths are very, very common...or that Earths are really, really, really rare - perhaps we're the only Earth,” he said. **He** told reporters how important Kepler’s journey was, saying: "**It** really attacks some basic human questions that have been asked since that first man or woman looked up at the sky and asked, 'Are we alone?’”

*Adapted from :*[www.BreakingNewsEnglish.com](http://www.BreakingNewsEnglish.com)

 **A. COMPREHENSION                                                                                                 (08points**)

***1- Are these statements true or false according to the text .***

1. Scientists are pessimistic about finding a similar planet to earth.
2. It is the first time that such a mission is set.
3. Johannes Kepler funded the mission.
4. According to Ed Weiler there are equal chances of finding or not finding a similar planet to earth.

***2- Answer the following questions according to the text:***

a) :   What is the aim from the NASA mission?

b) :   What conditions are needed from a planet to be similar to ours?

c): How long will the mission last?

***3- Who or what do the underlined words refer to in the text?***

It (§1) The manager (§2) He (§2) It (§2)

***4- Choose a suitable title to the text.***

a) Johannes Kepler’s Discovery. b)      The Role of Telescopes in Space Science.

c)      NASA Telescopes Looking for Other Earths.

 **صفحة 1 من 4**

**B. TEXT EXPLORATION                                                                                           (07pts)**

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

 look for (§1) voyage (§2)

 ***2/* Classify the following words in the table**

 intercontinental - exploration - historical - human

|  |  |  |
| --- | --- | --- |
|  Prefix  |  Root |  suffix |
|  |  |  |

***3/  Rewrite sentence B so that it means the same as sentence A.***

 A-NASA launches a rocket carrying a planet-hunting telescope.

B- A rocket ………………………………………………………..

 A-      Ed Weiler agreed that the mission was a historical landmark in space exploration.

 B - Ed Weiler agreed : “……………………………………………….”

***4/  Classify the following words according to the pronunciation of their final “s”.***

     Scientists                               specks                    chances billions

|  |  |  |
| --- | --- | --- |
| **/s/** | **/z/** | **/iz/** |
|  |  |  |

**5/ Re-order the sentences below to make a coherent paragraph**

 a- not only for spaceship launching,

 b- It will probably be used for communication relay and astronomical study as well.

 c- but also for forecasting the Earth’s weather.

 d- Many scientists believe that the moon could serve as a base ,

**PART 2: Written Expression                                                                                (05 pts)**

***Choose one of the following topics:***

**Either Topic 1:**

More and more money is spent nowadays on space exploration missions. Write a conversation between you and your classmate on the importance of such missions using the following notes.

* Find out more about the history of the universe
* Provide analysis of the atmosphere/ of planets in other solar systems
* Help predict/avoid collisions with space bodies.
* Find possible earth-like planets.

**Or Topic 2:**

 NASA’s space science boss Ed Weiler declared that the Kepler mission was a “historical” landmark in space exploration. What do you think would happen if a planet similar to ours was found in the universe? State any positive or negative aspects