Niveau : 3ASS.3ASGE	May2013
Third Term English Exam	Duration : 02h30

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الموضوع الأول

Read the text and do the activities bellow:

Stars are born. They take shape. They go through a turbulent adolescence, and then they live out their lives in a predictable pattern. Some have companions to provide for. Others rapidly decline and die. In some ways, stars are just like people.

The life cycle of a star, from birth in a dense interstellar cloud to **its** final end, is a process that lasts anywhere from a few million years for the most massive stars to many billions of years for stars like the Sun.

Once, people regarded the Sun as a different sort of object from the stars. **It** ruled the day; stars adorned the night. But over the past few centuries astronomers have come to recognize that it is just one middle-aged member of the vast family of stars. From far away, the sun would look just like any other star- a point of light. Like any other star it is mortal .The realization that the sun is a star has done wonders for astronomy. By studying it, the closest star, scientists have learned about all stars. Conversely, by studying the stars, in all **their** variety we have learned about the past and future of our sun.

After a variety of studies, scientists deduced that the Sun's energy source was a process then unknown on Earth; the nuclear fusion of hydrogen to helium. Deep in the Sun's hot and dense core hydrogen atoms are squeezed together or fused, into helium atoms. A helium atom has less mass than the hydrogen energy from which it was created and this missing mass turns into energy. Few other methods can generate as much energy as nuclear fusion. A small amount of hydrogen can produce an immense amount of energy- **which** is why the sun can keep shining for billions of years.

Adapted from: astronomy

A/ Comprehension/interpretation: (8 pts.)

1 / Are the following statements true or false according to the text? (2pts)

a) The sun belongs to the stars family.
b) The sun is a hot cloud of dust.
c) Stars live forever.
d) Scientists have always known about the Sun's energy source.

2/ Answer the following questions in full sentences: (3pts)

a) In what way are stars considered 'just like people'?
b) How long does the life cycle of a star last?
c) Why did people think the sun was different from the stars?

3/ What or who the underlined words refer to in the text?(2pts)

Its (2§) …… It (3§) …… Their (3§) …… Which (4§) ……

4/ Choose the appropriate title to the text:(1pt)

a) The sun seen from the Earth.
b) Our Star, the Sun.
c) The life cycle of planets.

B / Text exploration: (7pts)

1/Find words in paragraph "3"which mean:(0,1pt)

Considered = …… decorated = ……..

2/ Derive nouns from the following verbs: (1pts)

VERB	NOUN
to recognize	……
to Create	……
to wonder	……
to Produce	……

3/ Rewrite sentences "a" so they mean the same as sentences "b".(3pts)

a) A small amount of hydrogen can produce an immense amount of energy.
b) An immense amount of energy……..
a) It's probable that we will find proofs claiming that there is life in the universe.
b) we……
a) "Space trips will be possible," he said.
b) He said that……

4/ Combine the sentences with the connector between brackets: (1,5ptS)

a)Stars are very distant. Planets are distant. **(less)**
b)The stars are visible all the nights .Comets are invisible except when they pass near the sun **(whereas)**
c)Stars shine with their own light .The planets give off no light of their own. **(unlike)**

5/ Classify the following words according to the pronunciation of their final "s" (1pt)

Stars - orbits - asteroids - energies.

/s/	/z/	/iz/
……	……	……
……	……	……

C/ Written expression (5pts)

Topic 1: Can man one day live on the moon? Say why?

Write a composition of about 120 to 150 words, using the notes below:

.Not enough water
.Not enough oxygen
.No places to visit
.No amenities (equipment)

Topic2: today, scientists are becoming convinced that there might be other creatures in the universe.

Do you agree with this point that there are other lives outer the solar system; if yes, state your own arguments
depending on your previous knowledge .

Good Luck