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Belhadj Abdelhadi Charef Secondary School

Level : Third Year Sc.Exp /Math/M.T/G.E **Duration:** Two Hours

The Second Term Exam

Part One: Reading

A/Comprehension

Read the text carefully then do the activities.

Text:

Imagine a place far away, at the edge of the solar system. A place where millions of comets can be seen swishing around in every direction. These icy comets are orbiting the Sun in two different places, both **of which** are very distant. One place is called Oort Cloud, and the other is called The Kuiper Belt. A comet will spend billions of years in the kuiper Belt or Oort Cloud.

Sometimes two comets will come close to each other, or even crash into one another. When this happens, the comets change their directions. Sometimes their new path will bring **them** into the inner Solar System. This is when a comet begins to shine. Up until now the comet has been among millions of other exactly the same. But as they approach the warmer Inner Solar System they begin to melt leaving behind magnificent tails.

Unfortunately comets do not live long once they enter the warmer part of the Solar System. Just like a snow man melts in the summer, comets melt in the Inner Solar System. Although it is the most glorious part of their lives, travelling through the inner Solar System eventually kills them. After several thousand years they melt down to a little bit of ice and dust, not nearly enough to leave a tail. Some even melt away totally.

You certainly wonder if it would be safe to fly through the tail of a comet. Unlike the recent movie showing a spaceship flying past giant rocks, a comet tail is actually quite safe. The only thing that would hit your spaceship would be microscopic pieces of dust.

1.What type of text is the reading passage? Choose the right answer. (7pts)

a - argumentative **b-** descriptive **c-** expository **d-** narrative

2. Say whether the following statements are true or false.

a. Comets are close to the Sun.

b. When a comet gets away from the inner Solar System, it begins to shine.

c. The Inner Solar System is icy.

d. When comets enter the warmer part of the Solar System, they freeze.

3. Answer the following questions according to the text.

a. What kind of comets does the author talk about?

b. Do the comets orbit the Moon?

c. Do the comets melt down as soon as they enter the Inner Solar System?

4. What do the underlined words refer to in the text?

a- of which(§1) **b-them (§2)**

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B).Text Exploration (8pts)

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

a- near **(§2)**= ..... **b-** huge**(§4)** =.....

2.Find in the text words that are opposite in meaning to the following:

a- Outer **(§2)**≠ ..... **b-** risky **(§4)**≠ .....

3. Classify these words in the following table:

Word	Prefix	Root	Suffix
1. Astronomical	……	……	……
2.Astrophotography	……	……	……
3.Heliocentrism	……	……	……

4. Join pairs of sentences using the suggested connector.

a. The stars shine with their own light. Our planet gives off no light. **(Unlike)**

b. Neptune is an icy planet. Pluto is an icy planet. **(both.....and)**

5. Put the verbs between brackets in the correct form.

a. If I lived in the Moon, I **(to visit)**……..the other planets.

b. I would discover all the space If I **(to be)**…… an astronaut.

6. Classify the following words according to the pronunciation of their final (S).

millions – comets – places – years

/s /	/z/	/iz/

7. Reorder the following words to get a coherent sentence.

amount – astronomical – of – substantial- physics – modern – a – involves – research .

Part Two: Written Expression (5pts)

Choose one of the following topics:

Topic One:

Most scientists think that a comet will collide with our planet Earth sooner or later. Use the notes below to write a composition in which you predict the possible consequences that may occur within such collision.

- Cause crater on the Earth surface.
- Volcanic eruption
- The climate change
- Natural Catastrophes
- Extinction of human kind….

Topic Two:

Do you think that life will be possible on the Moon one day? Why?

Good Luck

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