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Ezziania Secondary School **March 6th, 2019**
Level : 1°AS Scientific Stream
Timing: 2hours

SECOND TERM EXAM

Part one: Reading comprehension (15pts)
Read the text carefully then do the activities

Fossil fuels such as oil, coal and natural gas exist, and provide a valuable service. However, it is the side effects of using **them** that causes all of the problems. Burning fossil fuels creates carbon dioxide, the number one greenhouse gas contributing to global warming. Combustion of these fossil fuels is considered to be the largest factor to the release of greenhouse gases into the atmosphere. In the 20th century, the average temperature of Earth rose 1 degree Fahrenheit (1°F). This period saw the most prolific population growth and industrial development — which was and remains totally dependent on the use of energy — in Earth's history. §1

The impact of global warming on the environment is extensive and affects many areas. In the Arctic and Antarctica, warmer temperatures are causing the ice to melt **which** will increase sea level and change the composition of the surrounding seawater. Air pollution is also a direct result of the use of fossil fuels, resulting in smog and the degradation of human health and plant growth. §2

Besides, "fossil fuels are limited in supply and will one day be depleted", scientists say. Therefore, we must start using alternative energies such as solar energy, hydroelectric or wind power and biomass energy. These types of energies are clean, renewable and safe. §3

Adapted from http://www.ecology.com/2011/09/06/fossil-fuels

A/ Comprehension / Interpretation (8pts)

1-Which type is it? The text is: (1pt)
a/ narrative b/ argumentative c/ expository

2-Say whether the following statements are true or false (2pts)
a- All natural sources we use today will exist forever.
b- Experts predict that temperatures will rise.
c- Fossil fuels energy doesn't cause pollution.
d- Renewable energies can solve the problem of pollution.

3- Answer the following questions according to the text (3.5pts)
a- Is gas a renewable energy? 0.5
b- What does the burning of fossil fuels cause? 1
c- What are the advantages of renewable energies? 1
d- How much does global warming affect earth? 1

4- What do the underlined words refer to in the text? (1pt)
them(§1): ……. which(§2) : .....

5- In which paragraph is it mentioned that polluting energy will end some day? In §… (0.5)

B/ Text Exploration (7pts)

1-Find in the text words that are opposites in meaning to: 0.5
-least (§1)≠… dangerous (§3)≠…

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2- Divide these words into their roots and affixes (1.5pt)

Words	prefixes	roots	Suffixes	
Renewable	……	……	…….	0.5
Degradation				0.5
Causing				0.5

3-Write the verbs in brackets in the correct form: (1.5pt)

The burning of fossil fuels (to cause) …….a great deal of pollution in our environment. If man (to use) ……renewable energies, there (to be) …….less pollution.

4- Complete the sentences (b) so that they mean the same as sentences (a): (1.5pt)

1/a- Every time Anna fills a cup of hot coffee with some sugar, it melts.

b-If ……

2/a-Reporters declared that only a few people died in the earthquake.

b-"……", reporters said.

3/a- Some people can suffocate because there is too much carbon dioxide in the air.

b-There is……..

5- Underline the silent letters in the following words (1pt)

Burning - types release change

5-Fill in the blanks with one word from the list: (1pt)

- Pollution - less - sources - energy - electricity

-One of the objectives of the International Agency of Energy (I.A.E) is to promote ……..of energies that are……expensive and less polluting and that reduce the dependence in relation to oil. The wind ……is an example of success in the domain of producing ……

Part two: Written Expression. (5pts)

Choose one of the following topics

Topic one: We are consuming natural resources that exist on earth. Sooner, there will no forests, no plants and no mountains. In few lines, explain how we can preserve our resources. You may use the following suggestions: -stop deforestation / throw rubbish / spill oil /toxic waste
-plant more trees / protect nature
-inform people / use TV and other media
-punish who pollute /impose taxes

Topic two: How can we reduce water pollution? Write a short paragraph giving examples.

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CORRECTION EXAM2_ 1SC **2018/2019**

PART ONE/

A/ Comprehension / Interpretation (8pts)

1-Which type is it? The text is: c/ expository (1pt)

2-False- true- false- true (2pts)

3- Answers (3.5pts)

a- No, it isn't. 0.5

b- It creates carbon dioxide, causes greenhouse effect, temperatures rise, air pollution. 1

c- Last forever, safe, nonpolluting, cheap. 1

d- It affects environment, ice melts, climate changes. 1

4- them(§1): fossil fuels which(§2) : warmer temperatures are causing the ice to melt (1pt)

5- In §3 (0.5)

B/ Text Exploration (7pts)

1-Find in the text words that are opposites in meaning to: 0.5

-least (§1)≠most dangerous (§3)≠safe

2- Divide these words into their roots and affixes (1.5pt)

Words	prefixes	roots	Suffixes	
Renewable	re	New	able	0.5
Degradation	de	Grade	ation	0.5
Causing		Cause	ing	0.5

3-Write the verbs in brackets in the correct form: (1.5pt)

The burning of fossil fuels (to cause) is causing a great deal of pollution in our environment. If man (to use) uses renewable energies, there (to be) will be less pollution.

4- Complete the sentences (b) so that they mean the same as sentences (a): (1.5pt)

1/a- Every time Anna fills a cup of hot coffee with some sugar, it melts.

b-If Anna **fills** some sugar into a cup of hot coffee, it **melts**.

2/a-Reporters declared that only a few people died in the earthquake.

b-" **O**nly a few people **had died** in the earthquake", reporters said. (died)

3/a- Some people can suffocate because there is

b-There is too much carbon dioxide in the air. **As a result,** some people **suffocate**.

5- Underline the silent letters in the following words (1pt)

Burning - types release change

5-Fill in each blank with the right word from the list: (1pt)

- ~~Pollution~~

-One of the objectives of the International Agency of Energy (I.A.E) is to promote **sources** of energies that are **less** expensive and less polluting and that reduce the dependence in relation to oil. The wind **energy** is an example of success in the domain of producing **electricity**.

Part two: Written Expression. (5pts)

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