

Date :...../ 11/2016

2nd XEAM

Time: 2 hours

Name:

20

1-According to a recent research carried out by the University of Michigan ,the Arctic could be on the verge of causing an explosion in the level of carbon gases in the atmosphere, greatly accelerating the greenhouse effect. These gases are thought to be leaking into the atmosphere because global warming is thinning the ice sheets that have contained them up to now.

2-This is alarming news for environmentalists ,because the area is thought to store a third of the world's carbon deposits. If the University of Michigan research is correct, the implications for the earth's ecosystem are severe.Even if environmentalist's worst fears are not realized, and the newly discovered Arctic leak does not turn into a deluge, the greenhouse effect will still be increased because the region has, until recently, soaked up carbon gases from the atmosphere, thereby slowing down global warming.

3-Now that the region has been revealed as releasing more gas than it soaks up, overall levels are bound to rise alarmingly, says George Kling, assistant professor of biology at the University of Michigan.“In some years our research has shown that the Arctic is now adding as much, and often more, carbon gas than it removes. Although the total levels are still small, the concern is over what will happen in the future as global warming increases and melting ice allows more gas to escape.” He says.

4-The new research shows that each square meter of the region releases five grams of carbon per year. The work was carried out as part of the National Science Foundation's Arctic System (ARCSS) programme. Scientists have known for some time that average polar temperatures are rising.

What remains unknown, Kling emphasizes, is how this phenomenon will affect carbon emission levels in the future. “We need to know more about the exchange of carbon between land, water and the atmosphere than we do now.”

5-The effect of higher temperatures in the region was highlighted last month by the release, from the World Wide Fund for Nature, of a report predicting hundreds of Arctic species will face extinction if ice continues to melt.This warning was underlined, the organisation argued, by the deaths of thousands of deer in northeast Russia last month. The animals starved after heavy rain fell on ice that was melting to create a thick sheet of new ice, which the deer could not break to get at grass.

6-Until the release of the ARCSS programmes figures, most conservationists viewed the Arctic as a victim of a global warming rather than the largest potential contributor.The new research will put more pressure on governments worldwide to clamp down on the emissions of gases and particulants that contribute to global warming. If steps are not taken, more Arctic ice will melt, turning the leak of carbon gases into a deluge with dramatic effects on the environment.

I – COMPREHENSION 15pts

A. Answer the following questions 4pts

1-How are gases being released from the Arctic?

.....
.....

2-Why would the ecological effects of gas release from the Arctic be particularly disastrous?

.....
.....

3-In what way will polar animal life be affected by global warming?

.....
.....

4-What should the findings of the research drive world countries to do?

.....
.....

B. Are these sentences true or false? Justify: 2pts

1-The polar area has so far helped prevent atmospheric temperatures from rising up

.....
.....

2-The University of Michigan’s research was done at the request of the world wide fund for nature ?

.....
.....

C. Complete the following sentences. 2pts

1-According to George Kling, future research studies should.....

.....

2-Before the University of Michigan’s study results were known, the Arctic was considered.....

.....

D. Find in the text words that mean the same as? 4pts

1. flood (paragraph 2).....

2. crack (paragraph 2).....

3. die from hunger (paragraph 5).....

4- impose (paragraph 6).....

E. What do the underlined words in the text refer to ? 3pts

1-The area.....

2-He

3-This phenomenon.....

A-Use the words in capitals to make words which fit in the spaces :

3pts

- 1- We will have learnt enough..... knowledge by the end of the year. **THEORY**
- 2- Unfortunately , politeness is not one of his strongest **QUALIFY**
- 3- Jane was seriously injured , she was dead on at the hospital. **ARRIVE**

B-Complete these sentences with the right prepositions :

4pts

- 1-Applicants must fill the application form .
- 2-What does your father do a living ?
- 3-The police officer was proud of himself because he 'd been duty for 13 years .
- 4-Jenny has to sort her clothes , books since she will move into a new house .

C-Circle the correct words :

4pts

- 1- I need a larger size , this dress does not **fit / match** me .
- 2- There were a lot of **spectators / audience** in the football match yesterday.
- 3- Could you **lend / borrow** money to Jane , she is in need of money to buy a new car.
- 4- I hope I will **earn / win** enough money in this lottery to buy a new house.

D- Put the verbs into the right tense :

4pts

- 1- I (**lie**) in the bath when the phone(**ring**) . It
(**stop**) after a few rings .
- 2- When I switched the TV on , the programme (**alredy/start**) . I missed
the beginning .
- 3- As he (**run**) for the bus he (**collide**) with the lamppost.
- 4- I gave back the book to Rachel after I(**finish**) it.
- 5- Vicky felt tired yesterday because she(**study**) all day.

