Niveau : **Tle A**
Durée : **3 h**

Cette épreuve comporte trois (**03**) pages numérotées **1/3**, **2/3** et **3/3**.

Do all the activities of this examination on your answer sheets by reading and following carefully the instructions given.

PART ONE: READING FOR COMPREHENSION (**40%**)

Read the text below and do all the activities that follow it.

'Human population growth will threaten many species by 2050'

The ongoing global growth in the human population has the potential to threaten hundreds of mammals and birds species with extinction within 40 years, a new study has warned. Scientists at the Ohio State University have determined that the average growing nation should expect at least 3.3 per cent more threatened species in the next decade and an increase of 10.8 per cent species threatened with extinction by 2050.

In a previous study, researchers had created a model based on 2000 data to forecast future threatened species connected to human population growth projections, and published the predictions in 2004.In this new study, that model's predictions were confirmed by 2010 actual figures. The scientists then used the same model, containing data on 114 countries, to extend their predictions to the middle of this century.

"The data speak loud and clear that not only human population density, but the growth of the human population, is still having an effect on extinction threats to other species," said Jeffrey McKee, professor of anthropology at Ohio State and lead author of the study."Our projection is based on human population density alone. It doesn't take into account climate change, industrialization or wars. So the actual numbers that we predict for 2050 will be very different because everything we do will exacerbate the problem," he said.

McKee collected data on threatened species from the International Union for Conservation of Nature Red List, and obtained human census data for 2000 and 2010 from the world database of the US Census Bureau. He created a model using equations to analyze relationships among these variables. After using 2010 data to confirm that the decade old predictions came true, the researchers used the same equations to determine that between now and 2050, the nations that see the most population density growth will experience higher numbers of species facing new threats of extinction.

The US ranks sixth in the world in the number of new species expected to be threatened by 2050, the research found. The Democratic Republic of the Congo tops the list, with a predicted new threat to more than 20 species in that time frame. The analysis suggests about 11 species will be newly threatened with extinction in the US. The model also suggests that the 21 countries with projected declining human populations by 2050 will see an average reduction in threatened species of 2.5 per cent. The study was published in the journal Human Ecology.

Adapted from The Economic Times Website, June 2013.

A/ VOCABULARY: Matching

*Words in column A are from the text. Read the text and match each word in **COLUMN A** with its meaning or synonym in **COLUMN B** like in the example:* **11 – e**

COLUMN A		**COLUMN B**
1. threaten	(Line 1)	**a–** information on the number of people
2. warned	(Line 2)	**b –**tell in advance
3. previous	(Line 6)	**c –**notified
4. forecast	(Line 6)	**d–**were real
5. take into account	(Line 14)	**e–**printed, issued

6. exacerbate	(Line 16)	**f** – is the first
7. human census data	(Line 18)	**g**–go through
8. came true	(Line 20)	**h** –put in danger
9. experience	(Line 22)	**i** –consider
10. tops	(Line 24)	**j** –worsen, aggravate
11. published	(Line 28)	**k** –former

B/ <u>COMPREHENSION CHECK:</u>

Read the text again and give short answers to the following questions:

1- Which animal species are particularly menaced by human population growth?
2- What is the main danger faced by these species?
3- What is the percentage of endangered species each developing nations should expect in the next ten years?
4- Were scientists' predictions of 2004 right? Justify your answer.
5- Who is Jeffrey McKee?
6- What criterion does the projection take into account according to Jeffrey McKee?
7- Which years' census figures did McKee collect during his researches?
8- Which nations will have higher number of species in danger in the future?
9- In which country is it predicted more than 20 animal species in danger in the next years?
10- What will happen in the 21 countries where human population will decline
11-

PART TWO: LANGUAGE IN USE **(30%)**

A. *Fill each blank with the appropriate word from the box. Each word must be used only once. Write down your answers like in the example:***11 –vasectomy**

contraception – contraceptive – control – natural – permanent – pregnancy – pregnant – sterilised – condom – vasectomy – operation

Family planning

Family planning and birth (**1**)……mean almost the same thing. They mean trying to make sure that a woman only becomes (**2**)……. when she and her husband want her to and reducing the chance of an unplanned (**3**)….. . Preventing pregnancy is called (**4**)……and there are many ways of doing this. Some of them are not accepted by some religions and in some societies.

One method for women is the oral (**5**)……pill, which is taken daily. Another is the cap, which a woman places inside herself. For men there is the (**6**)……. For both there are (**7**)…..methods, which involve calculating the days on which pregnancy will not occur. Sterilisation is a (**8**)…..method of contraception: it is not possible for a woman to become pregnant after either she or her husband has been (**9**)…... In each case, a small (**10**)…..is carried out. For men this is called (**11**)….. .

B. *Choose the right option in each sentence. Write your answers like in the example:***11 – haven't they?**

1 – Peter can work (as / while / on / at) listening the radio.
2 – Many people are against (a use of /use of / the use of the /the use of) atomic bomb.
3 – The day before yesterday we (have been watching / were watching / are watching /watched) television.
4 – They (are working / were working /have been working / been working) hard when I called on them.

5 – When the crisis (be /is / were / will be) over, I'll get a job.
6 – She doesn't work in an office, (is she? /does she? /doesn't she? /isn't she?)
7 – John has three brothers but he is (the older / the elder / older / the eldest).
8 – Pedestrians should (had been / were / be / to be) careful when crossing a street.
9 – (Many / Much / Little /A little) people are now conscious of the importance of peace.
10 – Last year he did not appear on television (for /since /ago / just) three months.
11 – They have gone to London, (have they? / haven't they?/ did they? / didn't they?)

PART THREE: WRITING **(30%)**

Do **only one** of the two tasks in **20 – 25 lines**.

TASK 1: Write an essay on environmental problems in your country due to population growth.
Here are ideas and information which may help you:

-the Ivorian population was 23,202,000 inhabitants in 2012;

-16 million hectares of forest at the beginning of the century, less than 1 million today;

-many animal species in danger particularly elephants;

-pollution of air and water due to industries, household waste, agriculture;

-poorer soils; poor living conditions in cities; etc

TASK 2: On the occasion of your English Club's activities, you had a discussion with your friend who believes that "population increase is not a problem for humanity". Your opinion is the opposite. Write the dialogue between you and him.

"FAILING TO PREPARE IS PREPARING TO FAIL"

GOOD LUCK AND BE BRAVE!!!