

Pays : Mali**Année :** 2016**Épreuve :** Anglais (LV1)**Examen :** Bac, Série STI**Durée :** 2 h**Coefficient :** 2**TEXT: Putting the wind to work**

"In a world hungry of fuel, why waste the wind when it blows?" asked experts. We are inventing ways of using a source of energy that is free. All the electricity you need is provided and no bill to be paid. That is a fantastic dream if you like. But it's not as credible as it sounds. In fact, it is perfectly possible with the wind mill.

Don't think of the creaking wooden windmill, but modern metal ones that are highly efficient and run electrical generator. They provide enough current to power a house or a farm and charge up batteries, so that the user can still have electricity even when the wind has stopped.

With the ever growing cost of fuel, the idea of installing a windmill is proving popular. That wind power, perfectly feasible is demonstrated by the enterprise of M. John Lorenzen, a corn farmer of Iowa. Today he is glad because he has windmill which provide enough power to run a large number of electrical equipment from domestic appliances like TV and vacuum cleaners to all the machinery in the workshop varying from a tour of a motorized hacksaw. Farmers who wish to follow his example are encountering a big drawback in the high cost of wind generators. But America's National Aeronautic and Space Administration (N.A.S.A) have decided to study the energy problem as well as its projects. They have produced a prototype windmill for the future. This is a 100 kW experimental wind turbine generator which could supply thirty homes with power.

Notes:

Hacksaw: a fine-toothed saw in a frame, used for cutting metal.

QUESTIONS (20 points)**I- READING COMPREHENSION QUESTIONS (5 points)****A. Multiple choice questions (1 point)**

Copy the complete sentence containing the correct answer.

1. What are modern metal windmills like?

- a. Inefficient
- b. Efficient
- c. Very efficient
- d. Not perfect.

2. Some domestic appliances are ...
- Glasses, TV, and vacuum cleaner
 - Refrigerator, vacuum cleaner, and TV
 - Table, radio, and TV
 - Armchair, vacuum cleaner, and radio.

B. True / False questions (2 points)

Copy the true sentences and correct the false ones.

- Today's world doesn't need fuel.
- The wind is a source of energy which is expensive.
- You can always have electricity using the metal windmill.
- The cost of fuel is increasing.

C. Answer the following questions. (2 points)

- What are metal windmills used for?
- What is Mr. John Lorenzen?

II- LANGUAGE (10 points)

A. Copy down each word from the list on the left with one from the right so as to make pairs of synonyms. (2 points)

A	B
Waste	an aspiration
Provide	suitable
Dream	to neglect
Feasible	furnish

B. Put the verbs in brackets into the simple present or present continuous tense. (2 points)

- The plane that you (look) at now just (take) off for Paris.
- Sékou never (do) any work in the garden; he always (work) on his car.

C. Describe a machine or instrument you generally use in family. (2 points)

D. Translate into English. (2 points)

Le besoin en énergie croît de jour en jour dans le monde. L'énergie qui provient des sources renouvelables est moins coûteuse.

E. Translate in French. (2 points)

From « In a world hungry ... » to « ... energy that is free. »

III- COMPOSITION (5 points)

Choose only **one** topic.

1. There are many sources of energy. Which one do you think is better to expand in Mali? Write a ten-line essay about the advantages of its use.

2. Assanatou Tall, S.T.I-Lycée Technique, Sikasso, has received a letter from her pen-friend Maria Akoue, Road 378, Door 56, Accra, Ghana, who would like to visit Mali. Assanatou writes back, encouraging her to come. She makes suggestions for different things she could do in Mali, the places and sites worthy to visit.

Write Assanatou's letter with the appropriate layout.

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