

BACCALAUREAT MALIEN
EPREUVE : D'ANGLAIS (LV1)

SERIES: TSE

DUREE: 2H

COEF: 2

Text: New careers sciences and technology

Those interested in science and technology have an opportunity to work on some of the most pressing issues of today (e.g. climate change), in cutting edge research (e.g. drug development), and at the forefront of technology innovation (e.g. mobile applications). Some of the major career pathways within science and tech are: Biotechnology or pathology laboratory technology.

Biotechnology is a professional field that spans an array of industries, including agriculture, human health, biofuels, industrial products, environmental protection, and pharmaceuticals.

Pathologic technologists work in laboratory settings, performing tests on biological samples, such as cells, fluids and body tissues. A diverse profession, pathologic technologies may work in areas ranging from oncology (cancer research) to immunology (immune system research). They work with sophisticated testing equipment, are responsible for tracking and logging data, and collaborating with physicians and other researchers. Approximately half of all pathologic technologists work in hospital laboratories while others work in private physician offices, university research laboratories and diagnostic laboratory settings. An aging population, along with greater demand for health services through the Affordable Care Act is expected to spur employment growth of 22 percent in the USA between 2012 and 2022. **Questions: (20 points)**

I. Reading comprehension questions: (05 pts)

A. Multiple choice questions: Copy the complete sentence containing the correct answer. (01 pt)

1) A professional field concerned with many domains is

- a) climate change.
- b) mobile applications.
- c) biotechnology.
- d) pathology laboratory technology.

2) Pathologic technologists use.....

- a) modern material to test.
- b) cancer to test.
- c) immune system research to test.
- d) old material to test.

B. True or false statements: Copy down the true sentences and correct the false ones. (2pts) 1) One of the most pressing issues of today is drug development.

2) Biotechnology is applied in a lot of domains.

3) A pathologic technologist always works in a hospital laboratory. 4) The population of the USA is aging.

C. Answer the following questions: (2pts)

1) What do pathologic laboratory technologists test?

2) Who is responsible for collaborating with physicians and other researchers? II. Language:

(10 points)

A. A link words in column A with their synonyms in B so as have pairs (2 pts)

A	B
a. Forefront	1. collection or series
b. physician	2. environment
c. setting	3. leading position
d. array	4. medical doctor

B. Put the verbs between brackets into gerund or infinitive (2pts). 1) I hope (see) him arrested if he keeps (rob) people.

2) Before (leave) they managed (let) their friends know.

- C. You have quarreled with your friend and now you regret but you don't know what to do. You go and talk to your mother to ask her for advice; what can you say? What can she reply? Give two possibilities.

(2pts)

D. Translate into French: (2pts)

Those interested in science and technology have an opportunity to work on some of the most pressing issues of today (e.g. climate change), in cutting edge research (e.g. drug development), and at the forefront of technological innovation (e.g. mobile applications).

E. Translate into English: (2 pts)

Dans le monde d'aujourd'hui, il y a beaucoup de nouveaux métiers, surtout dans le domaine de la science et de la technologie. Cela crée plus d'opportunités d'emplois pour les pays pauvres.

III. Composition : Choose only one topic (05 points)

- A. What job would you like to do when you finish your studies? Give your reasons in a ten-line essay.
- B. Moussa Traoré, a TSExp student at Lycée Ibrahima LY, needs a computer so as to be able to make research on the web. Therefore, he sends a letter to his sister Fanta Traoré in London, to ask her to buy him a computer. He explains to her why he needs the computer.

Write Moussa's letter with the appropriate layout.