

BACCALAUREAT « C-D »

SESSION 2000

Section I: Vocabulary 10 marks

A. Read the following passage and fill in the blanks. (5 marks)

Many of the diseases that we suffer from are aggravated by our lifestyles. But some diseases are..... that is we get them from ourbecause they are in the family. Smoking and eating fat foods place theof your heart at risk. People who work hard should have enough and..... relaxation. Smoking is terrible for the heart because the..... in the cigarettes increases the.....of times the heart heats, that is the pulse..... and this raises the pressure. If you stop smoking, you'll suffer..... colds and infection and you'll..... your money!

You don't have to be a scientist to know how to adopt a clean lifestyle that will protect your health.

B. Give the opposites of the words underlined in the following sentences. Write in the spaces provided. (5 marks)

1. The evidence that we got from the experiments contradicted the theory
2. The supporters of our Party attended the political rally
3. He turned down my invitation to the dinner and went to a restaurant
4. He fell out with his friend and they are not on speaking terms any more
5. Scientists are supposed to be hard working and reliable

Section II: Grammar: 10 marks.

1. Complete the following conversation that you overheard between two scientists talking about their work. They do not agree on whether the experiments that they are about to work on are ethical or not.

Erick: I think we should carry on the experiment although there are many people who think it is immoral.

Jones:.....

Erick: No. I do not think it is important to worry about what people say.

Jones:.....

Erick: But everybody says the cloning of animals is against the laws of God.

Jones:.....

Erick: No I do not agree with you. Religion and Science cannot be separated.

Jones:.....

Erick: No it is not true that the best scientists have been atheists.

Jones: Oh, well. I do not think we can agree over this. Do you still want to work with me?

Erick:.....

2. Complete the following sentences with the appropriate words or expressions.

a) You bring..... your umbrella to the concert. The weather forecast predicted a dry evening.

b) Your parents..... you so much money for a short holiday in the village! I can't believe it. They are so extravagant!!

c) I couldn't talk to either Mafany or his wife..... of them had gone out.

d) My friend is still very sad. He has not got the death of his favourite musician.
the soothsayer says, I cannot believe him because I believe in God.

Section III: Comprehension 10 marks.

Read the following passage carefully and answer the questions below it. It is important to read the questions and understand them

The sperm that never dies

There are many advances in science almost everyday and some of them have obvious pleasant consequences for mankind. However, it is not always easy to make up one's mind about the usefulness of other scientific work.

Imagine a mouse impregnating a cat or a bull impregnating a horse or worse still, an elephant impregnating a deer. Can you imagine a man fathering a child or one hundred children a century after his death? This may sound preposterous or quite stupid but a team of researchers in the University of Pennsylvania in the United States of America have reported that they have made scientific progress. They claim that they have frozen spermatogonial stem cells, these are the cells that make sperm, defrosted them and brought them back to life. They have also claimed that they have taken stem cells from rats and implanted them in mice, which have then produced fully functional rat sperm.

The first experiment is, by itself, something of a reproductive achievement. Being able to keep the cells on ice is thus a lot more useful than the already common practice of freezing sperm itself, sperm lasts only so long, but a sperm factory can, in theory, go on forever. That could be comforting to men about to undergo, say, radiation treatment or chemotherapy, which can destroy stem cells and render patients permanently infertile. These men may avoid this problem by having their stem cells removed, frozen and re-implanted after treatment.

Stem cells can give rise to new stem cells which can then be harvested and frozen in turn. As a result, says Pennsylvania veterinary physiologist Ralph Brinster, a co-author of both studies, "we can make any individual male biologically immortal".

The second experiment is equally interesting. If rat stems can produce rat sperm while living in a mouse's testicles, then it is plausible that any mammalian species can play host to the stem cells of any other. This, for example, could help biologists to preserve the genetic materials from endangered species. However the possibility of abuse is always there. Imagine that some women may want to have sperms generated by the stem cells of one of their idols. Or that some racists or crazy politicians may want to dictate the type of stem cells to be imposed on people. The dangers are endless. And it is difficult to predict what the future holds in store if there is a free for all.

(Culled and adapted from *Time Magazine* June 10 1996)

Questions

1. What scientific innovation have researchers in Pennsylvania achieved? (1 mark)
2. How were sperms preserved before stem cells were used? (1 mark)
3. Explain what Ralph Brinster means by saying 'we can make individual male biologically immortal' (2 marks)
4. How can environmentalists benefit from this new advance in science? (2 marks)
5. Stem cells are more reliable for reproductive regeneration than sperms. True or false? (2 marks) Justify your opinion.
6. Do you think scientists should be allowed to carry out experiments which can lead to changes in the way the human body functions? Justify your opinion. (2 marks)

Section 1V: Essay: 10 marks

Write an essay of between 225 and 250 words on anyone of the following topics.

- A. Describe a day in the life of a professional that you aspire to become. Imagine some of the successes and difficulties that you have encountered.
- B. You are a careers counsellor for young students. Write a talk you are going to give on the importance of a chosen career.
- C. Imagine that you are the mother of a young girl. She is about to choose a career. Write a letter to her, advising her on a career that will be useful to her as a person, a mother and a member of the family. Your name is Veronique Tenejou and your address is P0 Box 65 Fouban and your daughter is in Lycée de Deido, Douala.

Baccalauréat C-D Anglais - Corrigé (Année 2000)

Section I: Vocabulary (10 marks)

A. Fill in the blanks (5 marks)

Many of the diseases that we suffer from are aggravated by our lifestyles. But some diseases are **hereditary**, that is we get them from our **ancestors** because they are in the family. Smoking and eating fat foods place the **health** of your heart at risk. People who work hard should have enough and **proper** relaxation. Smoking is terrible for the heart because the **nicotine** in the cigarettes increases the **number** of times the heart beats, that is the pulse **rate**, and this raises the pressure. If you stop smoking, you'll suffer **fewer** colds and infections and you'll **save** your money!

B. Give the opposites of the underlined words (5 marks)

1. The evidence that we got from the experiments contradicted the theory.
Opposite: supported
2. The supporters of our Party attended the political rally.
Opposite: opponents
3. He turned down my invitation to the dinner and went to a restaurant.
Opposite: accepted
4. He fell out with his friend and they are not on speaking terms any more.
Opposite: made up
5. Scientists are supposed to be hard working and reliable.
Opposite: lazy

Section II: Grammar (10 marks)

1. Complete the conversation (5 marks)

Erick: I think we should carry on the experiment although there are many people who think it is immoral.
Jones: **But don't you think we should consider the ethical implications of our work?**
Erick: No. I do not think it is important to worry about what people say.
Jones: **But what about the moral and religious concerns? Shouldn't we respect them?**
Erick: But everybody says the cloning of animals is against the laws of God.
Jones: **But science and religion have always been in conflict. Shouldn't we prioritize science?**
Erick: No, I do not agree with you. Religion and Science cannot be separated.
Jones: **But many great scientists were atheists. Doesn't that prove something?**
Erick: No, it is not true that the best scientists have been atheists.
Jones: Oh, well. I do not think we can agree over this. Do you still want to work with me?
Erick: **Yes, I do. We can agree to disagree and focus on the scientific aspects.**

2. Complete the sentences (5 marks)

- a) You **needn't bring** your umbrella to the concert. The weather forecast predicted a dry evening.
- b) Your parents **gave** you so much money for a short holiday in the village! I can't believe it. They are so extravagant!!

- c) I couldn't talk to either Mafany or his wife **because neither** of them had gone out.
- d) My friend is still very sad. He has not got **over** the death of his favourite musician.
- e) **Whatever** the soothsayer says, I cannot believe him because I believe in God.

Section III: Comprehension (10 marks)

Questions:

1. **What scientific innovation have researchers in Pennsylvania achieved? (1 mark)**
 Researchers in Pennsylvania have successfully frozen spermatogonial stem cells (which produce sperm), defrosted them, and brought them back to life. They have also implanted rat stem cells into mice, which then produced functional rat sperm.
2. **How were sperms preserved before stem cells were used? (1 mark)**
 Before stem cells were used, sperms were preserved by freezing them directly.
3. **Explain what Ralph Brinster means by saying 'we can make any individual male biologically immortal'. (2 marks)**
 Ralph Brinster means that by freezing and reusing stem cells, which can continuously produce new sperm, a man's reproductive ability can be preserved indefinitely, even after his death. This makes his biological contribution to reproduction potentially eternal.
4. **How can environmentalists benefit from this new advance in science? (2 marks)**
 Environmentalists can benefit from this advance by using it to preserve the genetic material of endangered species. Stem cells from endangered animals could be implanted into other species to produce sperm, helping to maintain genetic diversity and prevent extinction.
5. **Stem cells are more reliable for reproductive regeneration than sperms. True or false? (2 marks)**
True. Stem cells can continuously produce new sperm, whereas frozen sperm has a limited lifespan. Stem cells offer a more sustainable and long-term solution for reproductive regeneration.
6. **Do you think scientists should be allowed to carry out experiments which can lead to changes in the way the human body functions? Justify your opinion. (2 marks)**
Opinion: Yes, scientists should be allowed to carry out such experiments, but under strict ethical guidelines. These experiments can lead to significant medical advancements, such as curing diseases or preserving fertility. However, ethical oversight is necessary to prevent misuse, such as genetic manipulation for non-therapeutic purposes.

Section IV: Essay (10 marks)

Topic A: Describe a day in the life of a professional that you aspire to become. Imagine some of the successes and difficulties that you have encountered.

Sample Essay:

A day in the life of a doctor is both challenging and rewarding. My day typically begins early, with rounds at the hospital to check on patients. I review their charts, discuss treatment plans with colleagues, and ensure that everyone is progressing well. One of the most satisfying moments is seeing a patient recover and knowing that I played a part in their healing.

However, the job is not without its difficulties. There are days when I have to deliver bad news to patients or their families, which is emotionally draining. Additionally, the long hours and high-stress environment can be exhausting. Despite these challenges, I find immense fulfillment in helping others and making a difference in their lives.

One of my greatest successes was diagnosing a rare condition in a patient who had been misdiagnosed for years. It was a proud moment when the treatment plan I recommended led to their recovery. On the other hand, one of the difficulties I face is balancing my professional and personal life. The demanding nature of the job often leaves little time for family and friends.

In conclusion, being a doctor is a demanding but deeply rewarding profession. The ability to heal and comfort others makes all the challenges worthwhile.

Topic B: You are a careers counsellor for young students. Write a talk you are going to give on the importance of a chosen career.

Sample Essay:

Good morning, students. Today, I want to talk to you about the importance of choosing the right career. Your career is not just a job; it is a significant part of your life that will shape your future, your happiness, and your contribution to society.

First, choosing a career that aligns with your passions and interests is crucial. When you love what you do, work doesn't feel like a chore. It becomes a source of fulfillment and joy. For example, if you are passionate about helping others, a career in medicine or social work might be ideal for you.

Second, consider your skills and strengths. A career that leverages your natural abilities will not only make you more successful but also more confident. For instance, if you have a talent for problem-solving, a career in engineering or technology could be a great fit.

Finally, think about the impact you want to have on the world. Your career should not only benefit you but also contribute to society. Whether it's through innovation, education, or service, your work can make a difference.

In conclusion, take the time to explore your options, seek advice, and choose a career that aligns with your passions, skills, and values. Your future self will thank you.

Topic C: Imagine that you are the mother of a young girl. She is about to choose a career. Write a letter to her, advising her on a career that will be useful to her as a person, a mother, and a member of the family.

Sample Essay:

Dear [Daughter's Name],

As you stand at the crossroads of choosing a career, I want to share some thoughts with you. Your career is not just about earning a living; it's about finding fulfillment, balancing your personal and professional life, and contributing to our family and society.

First, consider a career that aligns with your passions and interests. If you love what you do, you'll find joy and satisfaction in your work. For example, if you have a passion for teaching, a career in education could be very rewarding. It would allow you to inspire young minds and make a lasting impact.

Second, think about a career that offers flexibility. As a future mother, you'll need a job that allows you to balance work and family life. Careers in fields like healthcare, education, or technology often offer flexible hours and the possibility of remote work.

Finally, choose a career that provides stability and growth. You want a profession that will support you and your family financially while also offering opportunities for advancement.

Remember, your career choice is a personal decision, and I will support you no matter what you choose. Follow your heart, but also consider the practical aspects of your future.

With love, Mom (Veronique Tenejou)