



Level: 2<sup>nd</sup> year M, TM and ST Streams

March 2023

**2<sup>nd</sup> TERM ENGLISH EXAMINATION**

**PART ONE/ Reading (15pts)**

**Read the text carefully and do the activities.**

3D printing is becoming more and more popular. We are now able to print things such as clothing, prosthetic limbs, musical instruments and prototype cars. People and businesses are able to create the things **they** need very quickly and easily using 3D printers.

But can you imagine printing food? Some scientists are trying to revolutionize the dining experience by doing this. They hope that having a 3D printer in the kitchen will become as commonplace as the microwave or blender. Scientists say that they are easy to use: you simply have to select a recipe and put the raw food 'inks' into the printer. You can also modify the instructions to make the food exactly how you want it. This means that it would be very quick and easy to create tasty and nutritious meals.

Using 3D printers to create your meals would also be saving the environment. There would be less need for traditional growing, transporting and packaging processes as food production would be a lot more efficient. For example, alternative ingredients such as proteins from algae, beetroot leaves and insects... all **these** could be converted into tasty products using such great devices!

Printing food could also help people who suffer from dysphasia (a swallowing disorder). **They** could program the printer to print softer versions of their favorite foods so that they would not have trouble swallowing them.

From: short e-texts on science and technology

**A/ Comprehension**

**1) Choose the most appropriate title: (0.5pt)**

- a) The dining experience      b) How to print your meal?      c) 3D food printer

**2) Say if the following statements are true or false according to the text: (1.5pt)**

- a) 3D food printer is a recently invented device.  
 b) Scientists say that 3D food printers are easy to use.  
 c) Using 3D printers to create your meals would hurt the environment.

**3) Answer the following questions according to the text: (03pts)**

- a) What can we print via 3D printing?  
 b) If scientists succeed to invent a 3D food printer, how will it work?  
 c) Will printing food be helpful for people who suffer from dysphasia?

**4) In which paragraph, it is mentioned that people nowadays use 3D printing?: (1pt)**

**5) What do the underlined words refer to in the text? (01.5<sup>2</sup>pt)**

They(§01): ..... These(§03): ..... They(§04): .....

**B/Text Exploration**

**1) Find in the text words closest in meaning to: (1pt)**

a) develop (§02) = ..... b) tools (§03) = .....

**2) Complete the table below: (01pt)**

<b>noun</b>	<b>adjective</b>
algebra	.....
.....	ecological
nutrition	.....
.....	electric

**3) Put the verbs in brackets the correct tense: (04pts)**

- a/ Ice (to melt) if you (to heat) it.
- b/ We (to arrive) on time if we (to take) 10:20 train.
- c/ When you (to mix) yellow and blue, you (to get) green.
- d/ If the experiment (not to work), I just (to keep) trying.

**4) Mark the stress on the following words: (1.5pt)**

- Biology/ genetics/ technological/invention/ geometric/ astrology.

**PART TWO/ WRITTEN EXPRESSION (05 pts)**

Choose **ONE** of the following topics:

**Topic1:** Some people think that a future of 3D-printed food would be a disaster. Explain this idea using the following clues:

- It could take away many jobs, including those for growing, transporting ...
- The nutritional value of printed food is one major concern/ Is it really possible to get the nutrients we need from food-based inks and gels?
- The traditional and enjoyable activity of cooking and eating together will a dead pastime.
- **Topic 2:** Write a paragraph in which you list some of efforts that should be done to eliminate inequality and extreme poverty in the world.

2<sup>nd</sup> TERM ENGLISH EXAMINATION

**PART ONE/ Reading (15pts)**

Read the text carefully and do the activities.

**A/ Comprehension**

**1) Choose the most appropriate title: (0.5pt)**

- a) The dining experience      b) How to print your meal?      c) **3D food printer**

**2) Say if the following statements are true or false according to the text: (1.5pt)**

- a) 3D food printer is a recently invented device. **F**  
b) Scientists say that 3D food printers are easy to use. **T**  
c) Using 3D printers to create your meals would hurt the environment. **F**

**6) Answer the following questions according to the text: (03pts)**

- a) What can we print via 3D printing? **We are now able to print things such as clothing, prosthetic limbs, musical instruments and prototype cars.**  
b) If scientists succeed to invent a 3D **food printer**, how will it work? **you simply have to select a recipe and put the raw food 'inks' into the printer**  
c) Will printing food be helpful for people who suffer from dysphasia? **Yes, it will.**

**7) In which paragraph, it is mentioned that people nowadays use 3D printing?: (1pt) **paragraph 1****

**8) What do the underlined words refer to in the text? (01.5<sup>2</sup>pt)**

**They**(§01): **people and businesses** **These**(§03): **alternative ingredients such as proteins from algae, beetroot leaves and insects.** **They**(§04): **people who suffer from dysphasia.** ,

**B/Text Exploration**

**5) Find in the text words closest in meaning to: (1pt)**

- a) develop (§02) = **revolutionize**      b) tools (§03) = **devices**

**6) Complete the table below: (01pt)**

<b>noun</b>	<b>adjective</b>
algebra	algebraic
ecology	ecological
nutrition	nutritious
electricity	electric

**7) Put the verbs in brackets the correct tense: (04pts)**

- a/ Ice ( **melts** ) if you ( **heat** ) it.
- b/ We ( **will arrive** ) on time if we ( **take** ) 10:20 train.
- c/ When you ( **mix** ) yellow and blue, you ( **get** ) green.
- d/ If the experiment ( **does not work** ), I ( **will just keep** ) trying.

**8) Mark the stress on the following words: (1.5pt)**

- Bi'ology/ ge'netics/ techno'logical/in'vention/ geo'metric/ ast'rology.

**PART TWO/ WRITTEN EXPRESSION (05 pts)**