



Rewarding Learning

ADVANCED

General Certificate of Education

2024

Nutrition and Food Science

Assessment Unit A2 1

assessing

Option A: Food Security and Sustainability

or

Option B: Food Safety and Quality

[ANF11]



TUESDAY 11 JUNE, AFTERNOON

TIME

2 hours 30 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number on the Answer Booklet provided.

Choose either Option A or Option B.

Option A: Food Security and Sustainability.

Answer the **one** question in Section A and **three** questions from Section B.

Option B: Food Safety and Quality.

Answer the **one** question in Section A and **three** questions from Section B.

Indicate clearly on your Answer Booklet which option you have chosen.

INFORMATION FOR CANDIDATES

The total mark for this paper is 85.

Quality of written communication will be assessed in **all** questions.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

Option A: Food Security and Sustainability

Section A

Answer the **one** question in this section – parts **(a)** and **(b)**.

- 1 (a) Describe how the Courtauld Commitment 2030 is helping the UK food and drink sector to reduce food waste. [10]
- (b) Suggest possible reasons for food waste in UK households. [15]

Section B

Answer **three** questions from this section.

- 2** Discuss each of the following as a potential threat to achieving food security:
- world population growth
 - intensive farming methods.
- [20]
- 3** Explain how local food systems contribute positively to the environment and the local economy.
- [20]
- 4** Discuss the causes and impact of food poverty in the UK.
- [20]
- 5** Explain why foods with the following labels provide sustainable options for the consumer:
- Red Tractor
 - Marine Stewardship Council.
- [20]

Option B: Food Safety and Quality

Section A

Answer the **one** question in this section – parts **(a)** and **(b)**.

- 1 (a) Outline the benefits of Good Manufacturing Practice (GMP) for a food business. [10]
- (b) Describe the measures in place to ensure veterinary medicines do not pose a risk to food safety. [15]

Section B

Answer **three** questions from this section.

2 Discuss each of the following as potential sources of food-borne illness:

- red meat
- fruit and vegetables.

[20]

3 The World Health Organization message “Safe food today for a healthy tomorrow” stresses that safe food is important globally for people and the economy.

Source: who.int 2021

Consider the importance of safe food as highlighted in the statement above.

[20]

4 Discuss what is being done to minimise the risk to public health of the following chemical contaminants in food:

- acrylamide
- bisphenol-A (BPA).

[20]

5 Explain how Environmental Health Practitioners ensure food safety for consumers eating outside the home.

[20]

THIS IS THE END OF THE QUESTION PAPER

Source:

Q3.....© World Health Organisation 2021

<https://www.who.int/news-room/events/detail/2021/06/07/default-calendar/world-food-safety-day-2021---safe-food-now-for-a-healthy-tomorrow>

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