



Rewarding Learning

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General Certificate of Education

2018

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# Nutrition and Food Science

Assessment Unit A2 1

*assessing*

Option A: Food Security and Sustainability

or

Option B: Food Safety and Quality

[ANF11]

THURSDAY 24 MAY, MORNING

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\*ANF11\*

## 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.

## 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.

- 1 (a) Describe how the Love Food Hate Waste campaign encourages consumers to reduce food waste. [10]
- (b) Suggest possible reasons for the problem of food waste. [15]

## Section B

Answer **three** questions from this section.

- 2 Discuss the social and environmental disadvantages associated with large supermarkets. [20]
  
- 3 Examine the benefits of Fairtrade for producers and outline some of the barriers that prevent consumers from choosing Fairtrade when shopping for food. [20]
  
- 4 Evaluate environmental or green claims as a source of information for consumers who wish to make sustainable food choices. [20]
  
- 5 “Every day too many men and women across the globe struggle to feed their children a nutritious meal. In a world where we produce enough food to feed everyone, 815 million people – one in nine – still go to bed on an empty stomach each night. Even more – one in three – suffer some sort of malnutrition.”

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Consider possible reasons for the food poverty highlighted in the statement above. [20]

## Option B: Food Safety and Quality

### Section A

Answer the **one** question in this section.

- 1 (a) Describe the work of the European Food Safety Authority (EFSA) in relation to food safety from field to fork. [10]
- (b) Explain why food safety is a public health priority. [15]

## Section B

Answer **three** questions from this section.

- 2 Describe the quality assurance systems food manufacturers should use to ensure safe food production. [20]
- 3 Discuss what is being done to minimise the risk to public health of the following chemical contaminants in food:
- dioxins
  - mercury
  - acrylamide
  - arsenic in rice.
- [20]
- 4 Explain how the risk of microbial contamination can be minimised in establishments that serve food and outline how food law inspections help ensure food safety in these establishments. [20]
- 5 Examine the work of the Food Standards Agency (FSA) in relation to food allergy and intolerance. [20]

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**THIS IS THE END OF THE QUESTION PAPER**

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