2021.M48

2021L098A1EL

Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2021

Home Economics – Scientific and Social

Section A and Answerbook

Higher Level

Wednesday 9 June Afternoon 2:00 – 4:30

200 or 240 marks

Examination Number

Day and Month of Birth

For example, 3rd February is entered as 0302

Centre Stamp

The 2021 examination papers were adjusted to compensate for disruptions to learning due to COVID-19. This examination paper does not necessarily reflect the same structure and format as the examination papers of past or subsequent years.

Instructions

Write your Examination Number and your Day and Month of Birth in the boxes on the front cover.

Write your answers to all parts of the examination into this answerbook. This answerbook will be scanned and your work will be presented to an examiner on screen. Anything that you write outside of the answer areas may not be seen by the examiner.

Write your answers in blue or black pen. You may use pencil for sketches, graphs and diagrams only.

There are three sections to this examination. Questions for **Sections B and C** are supplied separately but your answers must be written in this answerbook.

Section A 30 marks
Answer any **five** questions in this section.
Each question carries 6 marks.

Section B 130 marks
Answer **Question 1** and **one** question from questions 2, 3, 4 and 5.
Question 1 is worth 80 marks.
Questions 2, 3, 4 and 5 are worth 50 marks each.

Section C 40 or 80 marks
Answer **one** elective question **or** question 4 (core) to include **part (a)** and either **part (b) or (c)**.

If you submitted *Textiles, Fashion and Design* coursework for examination, you may only attempt Question 2 from this section.

Electives 1 and 3 are worth 80 marks each.
Elective 2 is worth 40 marks.
Question 4 (core) is worth 80 marks.

Section A 30 marks

Answer any **five** questions from this section.
Each question carries 6 marks.
Write your answers in the spaces provided.

1. State **two** causes of protein denaturation and give **one** example in each case.

Cause	Example

2. In relation to lipids, explain each of the following:

Oxidative rancidity
Hydrolytic rancidity

3. Name **one** condition (disease) associated with a deficiency of the following nutrients:

Nutrient	Deficiency disease
Vitamin D	
Vitamin B_3 (Niacin)	
Iodine	

4. What is Basal Metabolic Rate (BMR)?

Give **two** factors that determine a person's basal metabolic rate.

(i)
(ii)

5. Name **three** properties of sugar and state **one** culinary use of each.

Property	Culinary use

6. Outline **two** benefits of incorporating frozen foods in meal planning.

(i)
(ii)

7. Explain the effect of each of the following in relation to the processing of vegetables and fruit:

Canning
Dehydration

8. Name **two** protein alternatives that can be used in a vegan diet.

(i)
(ii)

State **two** advantages of including protein alternatives in the diet.

(i)
(ii)

9. Explain the following chemical changes that occur during food preparation/cooking:

Enzymic browning
Non-enzymic browning

10. State the function of the following parts of the refrigerator:

the thermostat
the refrigerant

11. Classify **three** types of retail outlet and give **one** example in each class.

Type of retail outlet	**Example**

12. Outline **three** consumer responsibilities.

(i)
(ii)
(iii)

13. Identify **three** socio-economic factors that influence housing choices.

(i)
(ii)
(iii)

14. State **two** benefits of the small claims procedure.

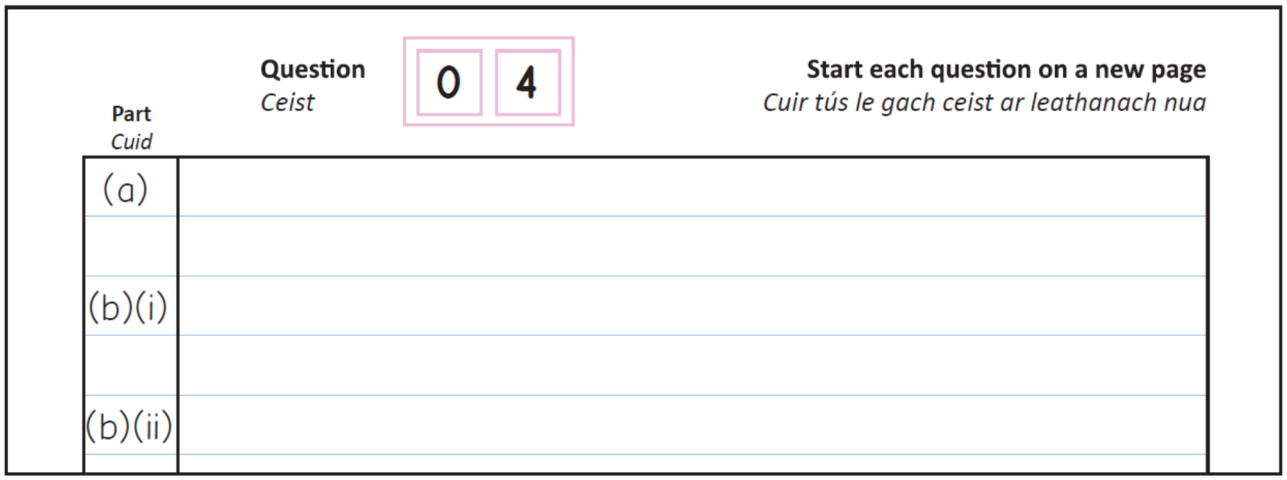
(i)
(ii)

Answerbook for Sections B and C

Instructions

Questions for **Sections B** and **C** are supplied separately.

Start each question on a new page. Write the question number in the box at the top of each page. Use the left-hand column to label each part, as shown below.



You do not need to use all of the pages in this answerbook. If you run out of space in this answerbook, you may ask the superintendent for more paper.

Write your answers in blue or black pen. You may use pencil for sketches, graphs and diagrams only.

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