



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2024
Home Economics - Scientific and Social
Section A and Answerbook
Higher Level

Wednesday 5 June Afternoon 2:00 - 4:30
280 or 320 marks

Examination Number

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Date of Birth

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For example, 3rd February
2005 is entered as 03 02 05

Centre Stamp

Instructions

Write your Examination Number and your Date 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 in this examination. Questions for **Sections B and C** are supplied separately but your answers must be written in this answerbook.

Section A 60 marks
Answer any **ten** questions in this section.
Each question carries 6 marks.

Section B 180 marks
Answer **Question 1** and any other **two** questions from this section.
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 part (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**60 marks**

Answer any **ten** questions from this section.

Each question carries 6 marks.

Write your answers in the spaces provided.

1. In relation to protein, explain deamination.

2. State **two** biological functions of Vitamin A.

(i)
(ii)

Identify **two** dietary sources of Vitamin A.

(i)
(ii)

3. Describe the following forms of iron and give **one** food source of each.

Form of iron	Description	Food source
Haem iron		
Non-haem iron		

4. Outline **two** meal planning guidelines that should be considered when planning meals for a person with osteoporosis.

(i)
(ii)

5. Complete the table below in relation to alternative (novel) protein foods.

	Source	Product
Plant		
Micro-organisms		

6. Explain the role of **each** of the following in the production of cheese.

Lactic acid bacteria
Rennet

7. Identify **two** contaminants that can enter the food chain. State **one** possible source and **one** possible effect on the body of each contaminant named.

Contaminant	Source	Effect on the body
(i)		
(ii)		

8. Differentiate between **each** of the following types of food poisoning:

Infectious food poisoning
Toxic food poisoning

9. Explain **two** underlying principles of jam making.

(i)
(ii)

10. Explain the following social welfare payments and give **one** example of each.

Social insurance payments
Social assistance payments

11. Identify **one** voluntary consumer protection agency.

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Outline the role of the voluntary consumer protection agency named.

12. Outline the function of **each** of the following parts of a refrigerator:

the condenser
the evaporator

13. Outline **two** features of the current Irish National Housing Policy (Housing for All).

(i)
(ii)

14. Describe **two** different ways that consumers can be more environmentally conscious when choosing electrical goods.

(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.

Question	
04	
Start each question on a new page	
Part	
(a)	
(b)(i)	
(b)(ii)	

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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Part

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Part

[illegible]

Part

[illegible]

Part

[illegible]

Part

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Part

[illegible]

Part

[illegible]

A diagram showing a large rectangle divided into four smaller squares by a horizontal and a vertical line. The top-left and top-right squares are empty, while the bottom-left and bottom-right squares contain a single dot each.

Part

[illegible]

Part

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Part

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Part

[illegible]

Part

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Part

[illegible]

A diagram showing a rectangle divided into two equal squares by a vertical line. The rectangle is labeled with 'a' on the top and bottom edges and 'b' on the left and right edges.

Part

[illegible]

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Part

[illegible]

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Part

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Part

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Part

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Leaving Certificate – Higher Level

**Home Economics - Scientific and Social
Section A and Answerbook**

Wednesday 5 June

Afternoon 2:00 - 4:30



Coimisiún na Scrúduithe Stáit State Examinations Commission

LEAVING CERTIFICATE EXAMINATION 2024

Home Economics – Scientific and Social

HIGHER LEVEL

Section B and Section C

WEDNESDAY 5 JUNE

AFTERNOON 2:00 – 4:30

Section B

180 marks

Answer **Question 1** and any other **two** questions from this section.

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.

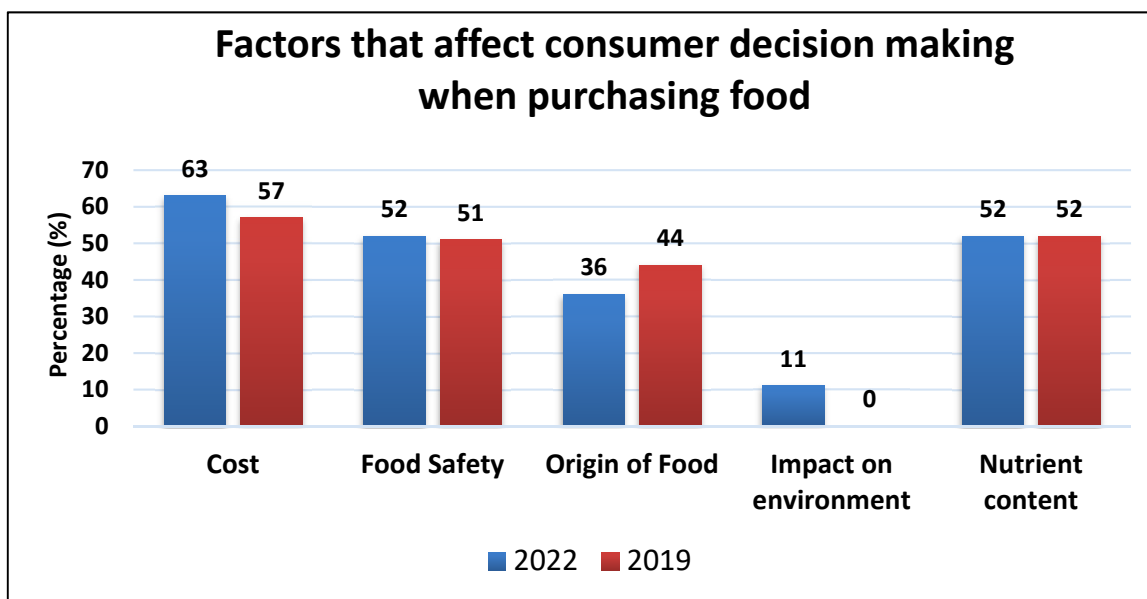
Question 4 (core) is worth 80 marks.

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This document will not be returned to the
State Examinations Commission.

Answer **Question 1** and any other **two** questions from this section.
Question 1 is worth 80 marks. Questions 2, 3, 4 and 5 are worth 50 marks each.
Write your answer in the answerbook containing **Section A**.

Question 1

The Eurobarometer survey 2022 and 2019 questioned consumers on factors that affect their decisions when purchasing foods.



(adapted from www.efsa.europa.eu)

- (a) Using the information provided in the chart, comment and elaborate on **four** factors that affect consumer decisions when purchasing food. (20 marks)
- (b) Give a detailed account of carbohydrates and refer to:
- basic structure of a monosaccharide
 - formation of disaccharides
 - biological functions. (22 marks)
- (c) Describe **three** properties of sugar and give **one** culinary example of each property. (18 marks)
- (d) Devise a set of strategies to follow when purchasing and preparing food/drink to reduce a person's sugar consumption. (20 marks)

Question 2

'A foetus is dependent on its mother for nutrition; so pregnant women must eat healthily and safely.'
(www.bordbia.ie)

- (a) Discuss the dietary guidelines to follow when planning and preparing meals for a woman during pregnancy. (20 marks)
- (b) Give an account of Folic Acid/Folate under **each** of the following headings:
- sources
 - biological functions
 - properties. (18 marks)
- (c) Evaluate food labelling as a source of consumer information when purchasing foods for individuals with specific dietary requirements. (12 marks)

Question 3

'Artisan producers have altered Irish food culture to enrich our culinary heritage.'
(*Irish Examiner Jan. 2023*)

- (a) Discuss the changes that have evolved in Irish food and eating patterns in recent years. (20 marks)
- (b) Outline the stages involved in the manufacture of yogurt.
In your answer refer to production, packaging and labelling. (20 marks)
- (c) Describe the protection provided to the consumer by the Food Hygiene Regulations 1950-1989. (10 marks)

Question 4

‘Helpful, knowledgeable staff are the driving force behind in-store shopping being popular amongst Irish consumers.’
(*www.pwc.ie*)

- (a) Analyse the changes in consumer shopping patterns over the last decade. (20 marks)
- (b) Name and evaluate **two** different methods of payment used by consumers to pay for in-store purchases. (18 marks)
- (c) Describe the protection provided to the consumer by the Consumer Protection Act 2007. (12 marks)

Question 5

‘The family is a dynamic, fluid, resilient and ever-changing fundamental institution of society.’
(*Kristy Hawthorn*)

- (a) Discuss the role of the family in meeting the physical and psychological needs of young children so that they will become well-adjusted adults in society. (20 marks)
- (b) Analyse the impact of social, economic and technological changes on contemporary family structures. (18 marks)
- (c) Describe **two** supports available to older family members and state how these supports help them to maintain their independence. (12 marks)

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.

Write your answer in the answerbook containing **Section A**.

Elective 1 – Home Design and Management – 80 marks

Candidates selecting this elective must answer **1(a)** and either **1(b) or 1(c)**.

1.(a) ‘A well-planned, well-designed home looks elegant, and improves a person’s quality of life.’
(www.homesandgardens.com)

- (i) Discuss the factors that influence the interior design of a home:
Refer to:
- cost
 - family size and circumstances
 - ergonomics. (20 marks)
- (ii) Identify **three** design principles and describe how each design principle identified could be applied to an interior design space. (18 marks)
- (iii) Evaluate how the design and construction of a house can help lower the energy use of its occupants. (12 marks)

and

1.(b) ‘Electricity is a powerful and versatile energy often taken for granted, but safe use is vital.’
(www.esbnetworks.com)

- (i) Describe how each of the following contribute to the safe use of electrical appliances in the home.
- miniature circuit breaker
 - earth wire. (12 marks)
- (ii) Identify **three** inefficient uses of energy in the home and assess a strategy you would recommend to improve the energy efficiency in each case identified. (18 marks)

or

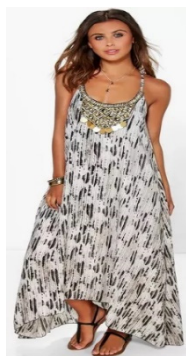
1.(c) ‘If your home is well insulated; you also need good ventilation.’ (www.seai.com)

- (i) Explain the underlying principle of insulation used in the home.
Identify and describe **three** different methods of home insulation. (18 marks)
- (ii) Discuss the importance of having adequate ventilation in a house. (12 marks)

Elective 2 – Textiles, Fashion and Design – 40 marks

Candidates selecting this elective must answer **2(a)** and either **2(b)** or **2(c)**.

2.(a) Being stylish, yet comfortable is key for many family gatherings and parties.



(www.bohoo.com)



(www.pinterest.com)

(i) Evaluate the design of the outfits shown above for a summer family gathering.

Refer to:

- comfort
- aesthetic appeal
- current fashion trends.

(15 marks)

(ii) Discuss how social and economic factors influence the design and construction of clothing.

(10 marks)

and

2.(b) ‘Natural fabrics are renewable; a good choice for sustainable living.’ (www.studioheijne.com)

Write a profile of a fabric manufactured from natural fibres.

Refer to:

- fibre production
- fabric properties
- identification test.

(15 marks)

or

2.(c) ‘The fashion and textile industry continue to play its part in Ireland’s social, cultural and economic development.’ (www.ndcg.ie)

(i) Discuss the emergence of leisure wear as a current fashion trend.

(6 marks)

(ii) Name **one** Irish fashion designer. Outline their work in the Irish fashion industry.

(9 marks)

Elective 3 – Social Studies – 80 marks

Candidates selecting this elective must answer **3(a)** and either **3(b)** or **3(c)**.

3.(a) ‘Education gives people the opportunity and ability to improve their own lives.’

(www.legalstudymaterial.com)

- (i) Discuss the role of education in society.
Refer to education:
- as a method of socialisation
 - as preparation for work. (20 marks)
- (ii) Evaluate a range of educational supports available in second level schools for students with special educational needs. (15 marks)
- (iii) Analyse how socio-economic status impacts equality of opportunity in education. (15 marks)

and

3.(b) While Ireland’s unemployment figures are at a record low, some people may be excluded from the labour market.

- (i) Identify **three** groups of people who have difficulty in securing employment and discuss the reason why each group identified have high unemployment rates. (18 marks)
- (ii) Name and give details of **one** community-based initiative that helps to create employment. (12 marks)

or

3.(c) ‘Leisure is not wasteful or an unproductive use of time; its benefits are far reaching.’

(www.psychologytoday.com)

- (i) Evaluate how individual and family leisure activities contribute to the physical, social and emotional development of family members. (18 marks)
- (ii) Analyse the social and cultural factors that influence an individual’s choice of leisure activities. (12 marks)

Question 4 – Core – 80 marks

Candidates selecting this elective must answer **4(a)** and either **4(b)** or **4(c)**.

4.(a) 'Fats are essential for health; but choosing the correct types and amount is vital.'

(www.fsai.ie)

- (i) Evaluate the nutritional significance of fats and oils in the diet. (20 marks)
- (ii) Outline the stages involved in the production of margarine to include details of packaging and labelling. (15 marks)
- (iii) Assess the health implications for a person consuming a diet high in saturated fat. (15 marks)

and

4.(b) The use of household resources play a valuable role in everyday living.

- (i) Assess the selection criteria that should be considered when choosing household textiles. (12 marks)
- (ii) Set out details of a study you have carried out on **one** type of electrical appliance with a motor.
Refer to:
 - working principle
 - guidelines for use
 - energy efficiency. (18 marks)

or

4.(c) 'Sensory analysis testing provides food developers and companies with valuable, insightful information.'

(www.intertek.com)

- (i) Describe the conditions necessary to follow for sensory analysis testing in the classroom to ensure accurate results. (15 marks)
- (ii) Evaluate the role of artisan producers/small businesses in the Irish food industry. (15 marks)

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Section B and Section C**

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