



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2023
Home Economics - Scientific and Social
Section A and Answerbook
Ordinary Level

Wednesday 7 June Afternoon 2:00 - 4:30
280 or 320 marks

Examination Number

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Day and Month of Birth

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For example, 3rd February
is entered as 0302

Centre Stamp

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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 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 **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. Indicate with a tick (✓) whether **each** of the following statements is true or false.

	True	False
Polyunsaturated fatty acids are present in oily fish		
Lipids (fats) contain the element nitrogen		
Adipose tissue protects delicate organs in the body		

2. List **three** factors that influence the energy requirements of adults.

(i)
(ii)
(iii)

3. Use the words below to complete the following statements in relation to protein.

albumin**coagulate****aeration**

When eggs are heated, protein chains _____.

_____ occurs when egg whites are whisked.

_____ is a protein present in the white of an egg.

4. State **two** functions of iron in the body.

(i)
(ii)

Name **one** dietary source of iron.

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5. Indicate with a tick (✓) whether **each** of the following statements is true or false.

	True	False
Carbohydrate is converted into glucose during digestion		
Bile is produced in the stomach		
Enzymes are proteins essential for digestion		

6. In relation to cereals, name **one** different food product made from each of the following:

Cereal	Food product
Wheat	
Rice	
Maize/Corn	

7. Outline **three** different ways a teenager can increase the amount of fibre in their diet.

(i)
(ii)
(iii)

8. Name **one** different raising agent suitable for each of the following baked products.

Baked products	Raising agent
Sponge cake	
Bread	
Lemon drizzle cake	

9. Outline **three** guidelines to follow when using grilling as a method of cooking.

(i)
(ii)
(iii)

10. Indicate with a tick (✓) whether **each** of the following statements is true or false.

	True	False
Supplementary welfare allowance is means tested		
Child benefit is a universal welfare payment		
Working family payment is available to employees on low pay with children		

11. Name **one** type of credit available to consumers.

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Outline **two** disadvantages of the type of credit named.

(i)
(ii)

12. Describe **three** functions of textiles in the home.

(i)
(ii)
(iii)

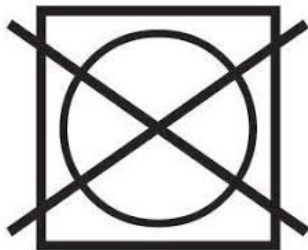
13. Outline **three** guidelines to follow when selecting a microwave oven.

(i)
(ii)
(iii)

14. What information does **each** of the following fabric care symbols convey to the consumer?



(www.beezzly.com)



(www.reddit.com)

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	
0 4	
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.

Part

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Part

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Part

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Part

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Leaving Certificate – Ordinary Level

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

Wednesday 7 June

Afternoon 2:00 - 4:30



Coimisiún na Scrúduithe Stáit State Examinations Commission

LEAVING CERTIFICATE EXAMINATION 2023

Home Economics – Scientific and Social

ORDINARY LEVEL

Section B and Section C

WEDNESDAY 7 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 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.

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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.

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

Question 1

‘Protein bars are a sector of the nutrition market that is rapidly expanding.’ (www.tastetech.com)

The table below shows nutritional information per 100 g, for three protein bars.

	Peanut & chocolate	Peanut & caramel	Crunchy peanut butter
Energy (kcal)	492 kcal	373 kcal	518 kcal
Protein	25.6 g	36.3 g	25 g
Carbohydrates	24 g	16 g	26 g
of which sugars	15 g	3 g	16 g
Fibre	13.6 g	16.1 g	14 g
Fat	30 g	15.9 g	12 g
of which saturates	9 g	8 g	5 g
Salt	0.95 g	0.73 g	0.59 g

- (a) Using the information presented in the table above, state which protein bar you would recommend for a young person who plays sport.
Give **four** reasons for your choice. (24 marks)
- (b) Give an account of protein under **each** of the following headings:
- classification
 - dietary sources
 - functions in the body. (26 marks)
- (c) Explain the importance of including water in the diet of a person who plays sport. (10 marks)
- (d) Discuss **four** guidelines consumers should follow to reduce household costs when planning and purchasing food. (20 marks)

Question 2

'17% of Irish consumers are now buying better quality beef.' (www.farmersjournal.ie)

- (a) Give an account of (i) the nutritive value **and** (ii) the dietetic value of meat. (20 marks)
- (b) Using meat as the main ingredient, design a two-course menu suitable for the main meal of the day for a family on a low income.
Give reasons for your choice of foods. (20 marks)
- (c) Describe **two** different methods of tenderising meat. (10 marks)

Question 3

Safe food preparation and storage helps to prevent food waste in Irish households.

- (a) Discuss **four** kitchen hygiene practices that should be followed to ensure the safe preparation and storage of food. (16 marks)
- (b) Set out the results of a study you have carried out on a refrigeration appliance.
Refer to:
- type of refrigeration appliance
 - guidelines for use
 - care and cleaning. (26 marks)
- (c) Describe how technology has contributed to greater efficiency when planning and preparing family meals. (8 marks)

Question 4

The family home is a base that provides comfort and security for family members.

- (a) Explain how the following factors influence the family's choice when buying or renting a family home:
- family needs
 - cost
 - location
 - trends in housing development. (20 marks)
- (b) Describe **three** advantages of having household insurance. (15 marks)
- (c) Outline **three** different ways consumers can reduce pollution to protect the environment. (15 marks)

Question 5

'Ireland has officially been recognised as one of the best places to grow old.' (*WHO*)

- (a) Discuss **four** roles and responsibilities of older people within the family. (20 marks)
- (b) (i) Identify **two** causes of conflict between teenagers and adults.
- (ii) Explain **two** ways of dealing with this conflict. (20 marks)
- (c) Outline **two** reasons why it is important for an older person to make a will. (10 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 contemporary bathroom design is shown below.



(www.victoriaplum.com)

- (i) Evaluate the suitability of the bathroom space shown above for a couple with children. (20 marks)
- (ii) Discuss **three** factors that should be considered when choosing a heating system for the home. (15 marks)
- (iii) Describe **three** guidelines to follow for the safe use of electricity in the home. (15 marks)

and

1.(b) 'A quarter of all energy used in Ireland is consumed directly in homes.' (www.seai.ie)

- (i) Describe **three** strategies that could be used to improve energy efficiency in the home. (15 marks)
- (ii) Name **one** renewable energy source **and** outline the advantages of the energy source named. (15 marks)

or

1.(c) (i) Describe the function of the following parts of a cold-water supply to a house:

- stop cock
- storage tank
- overflow pipe (15 marks)

- (ii) Outline **three** guidelines to follow to reduce water usage in the home. (15 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) ‘Music festivals bringing new trends and a boost to the fashion industry.’ (www.guardian.com)



(www.pinterest.com)

(i) Comment on the suitability of the festival fashion shown above.

Refer to:

- comfort
- function
- aesthetic appeal.

(18 marks)

(ii) Describe **one** method of applying a design to a garment.

(7 marks)

and

2.(b) Textiles can be treated with a variety of fabric finishes.

(i) Explain why fabric finishes are used on fabric.

(6 marks)

(ii) Name **and** describe **one** fabric finish.

Give an example of its use in clothing.

(9 marks)

or

2.(c) The future of fashion is in the hands of the designers.

(i) Describe the contribution of Irish fashion designers to the clothing and textile industry.

(9 marks)

(ii) Describe **two** fashion accessories currently popular with trendsetters.

(6 marks)

Elective 3 – Social Studies – 80 marks

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

3.(a) ‘The unemployment rate for persons aged 15-24 is 12.4 %.’ (*Oct 2022, www.cso.ie*)

(i) Define unemployment. (6 marks)

(ii) Discuss the effects of unemployment on:

- the individual
- the family
- society. (24 marks)

(iii) Describe the role of education in preparing young people for the world of work. (12 marks)

(iv) Name **and** give details of **one** statutory scheme that provides support to people who are unemployed. (8 marks)

and

3.(b) ‘Primary school education supports children’s learning from junior infants to sixth class.’ (*NCCA*)

(i) Describe **three** different ways primary school education contributes to the development of the individual. (15 marks)

(ii) Discuss **three** factors that influence the educational achievement of school children. (15 marks)

or

3.(c) Ireland has undergone many social and economic changes in the past 20 years.

(i) Discuss the impact of social and economic changes on family life.
Refer to:

- reduction in working hours
- increased participation of women in the workforce
- equal pay and employment opportunities. (15 marks)

(ii) Outline **three** benefits of voluntary work to the community. (15 marks)

Question 4 – Core – 80 marks

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

4.(a) 'It is estimated that up to 300,000 people in Ireland have osteoporosis.'
(www.irishosteoporosis.ie)

- (i) Give an account of (i) the causes of osteoporosis **and** (ii) the effects of osteoporosis on the body. (20 marks)
- (ii) Evaluate **three** lifestyle and/or dietary guidelines to follow in order to prevent osteoporosis. (15 marks)
- (iii) Discuss the role of food labelling as a source of consumer information for people following a special diet. (15 marks)

and

4.(b) Money management is an important life skill.

- (i) Identify **and** explain **three** factors that affect household income. (15 marks)
- (ii) Describe **three** benefits of setting up a family budget plan. (15 marks)

or

4.(c) 'Family roles shape how we interact with each other in the family.' (www.innerchange.com)

- (i) Discuss how the role of the adolescent has changed in the modern family. (15 marks)
- (ii) Explain how the family supports the physical and emotional development of children. (15 marks)

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**Home Economics - Scientific and Social
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Wednesday 7 June

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