2020.M47

2020L098G1EL

Coimisiún na Scrúduithe Stáit
State Examinations Commission

# Leaving Certificate Examination 2020

# Home Economics – Scientific and Social

## Section A and Answerbook

## Ordinary Level

## 2 hours 30 minutes

280 or 320 marks

**Examination Number**

**Day and Month of Birth**

For example, 3rd February is entered as 0302

**Centre Stamp**

# 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** 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.
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, 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.

## 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 |
|---|---|---|
| Carbohydrates are a source of heat and energy | | |
| Carbohydrates contain the element nitrogen | | |
| Excess carbohydrates are converted to fat in the body | | |

**2.** Explain the following properties of lipids (fats):

| |
|---|
| (i) Smoke point |
| |
| |
| (ii) Flash point |
| |
| |

**3.** Using the words listed below, complete the following statements in relation to milk processing.

***spray drying*** ***pasteurised*** ***homogenisation***

Milk is _____ to make it safe for human consumption.

The process that breaks down fat globules in milk is called _____.

_____ is used to change liquid milk into milk powder.

**4.** Name **two** culinary uses of eggs and suggest a food/dish that demonstrates **each** culinary use.

| Culinary use of eggs | Food/dish |
|---|---|
| | |
| | |

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

| | True | False |
|---|---|---|
| A *roux* based sauce is made of equal quantities of fat and flour | | |
| Sauces improve the nutritive value of a dish | | |
| Sauces should only be served hot | | |

**6.** Explain the term *'food additive'*.

| |
|---|
| |
| |

Name **two** food additives used in processed foods.

| |
|---|
| (i) |
| (ii) |

**7.** State the effect on the body of **each** of the following:

| | **Effect on the body** |
|---|---|
| High saturated fat diet | |
| Low dietary fibre diet | |
| Low calcium intake | |

**8.** Name **two** foods exported from Ireland.

| |
|---|
| (i) |
| (ii) |

List **two** career opportunities in the food industry.

| |
|---|
| (i) |
| (ii) |

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

| | **True** | **False** |
|---|---|---|
| Universal Social Charge (USC) is a voluntary deduction from wages or salaries | | |
| Utility bills are an example of essential expenditure | | |
| Child benefit is a universal social welfare payment | | |

**10.** State **two** advantages of online shopping.

| |
|---|
| (i) |
| |
| (ii) |
| |

Name **one** method of paying for goods online.

| |
|---|
| |

**11.** Outline **three** factors that influence a family's choice of housing.

| |
|---|
| (i) |
| |
| (ii) |
| |
| (iii) |
| |

**12.** Explain **each** of the textile care symbols below.



| |
|---|
| |
| |
| |



| |
|---|
| |
| |
| |

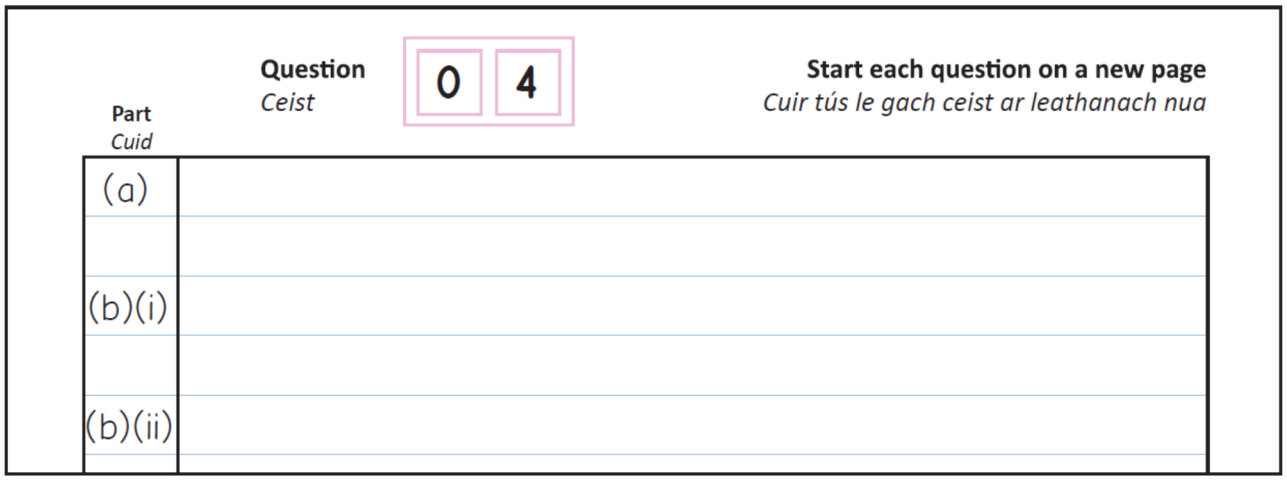
(*www.goodhousekeeping.com*)

# 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.




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.

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |

Question

Start each question on a new page

| Part | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Do not write on this page

**Copyright notice**
This examination paper may contain text or images for which the State Examinations Commission is not the copyright owner, and which may have been adapted, for the purpose of assessment, without the authors' prior consent. This examination paper has been prepared in accordance with Section 53(5) of the Copyright and Related Rights Act, 2000. Any subsequent use for a purpose other than the intended purpose is not authorised. The Commission does not accept liability for any infringement of third-party rights arising from unauthorised distribution or use of this examination paper.

Leaving Certificate – Ordinary Level

# Home Economics – Scientific and Social
# Section A and Answerbook

2 hours 30 minutes