



Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2017

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

HIGHER LEVEL

CENTRE STAMP

WEDNESDAY, 7 JUNE – AFTERNOON, 2.00 to 4.30

280/320 MARKS

Instructions to Candidates

- Section A** There are **twelve** questions in this section.
Candidates are required to answer any **ten** questions.
Each question carries **6** marks.
Write your answers in the spaces provided on the examination paper.
- Section B** There are **five** questions in this section.
Candidates are required to 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.
Write your answers in the separate answer book provided.
- Section C** There are **three** questions in this section.
Candidates are required to answer **one** elective question to include
part (a) and either **part (b) or part (c).**
Candidates who submitted Textiles, Fashion and Design coursework for examination may only attempt Elective Question 2 from this section.
Electives 1 and 3 are worth **80** marks each. **Elective 2** is worth **40** marks.
Write your answers in the separate answer book provided.

You must return your examination paper with your answer book at the end of the examination.

Section A

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

Each question is worth 6 marks.

Write your answers in the spaces provided.

1. Amino acids are the building blocks of protein.

Explain **and** give an example of **each** of the following terms:

(6)

Essential amino acids _____

Example _____

Non-essential amino acids _____

Example _____

2. Describe the effect of gelatinisation on starch.

(6)

Give **two** culinary examples of gelatinisation.

(i) _____ (ii) _____

3. Outline the role of the Food Safety Authority of Ireland (FSAI) in the food industry.

(6)

4. Complete the following table in relation to anaemia. (6)

Cause	
Effect of deficiency	
Corrective measure	

5. Explain **each** of the following: (6)

Modified atmosphere packaging _____

Biodegradable packaging _____

6. Name **and** describe **two** common food poisoning bacteria using the headings below. (6)

Food poisoning bacteria	Description / characteristic	Habitat

7. Explain the process of *fermentation*.

(6)

Name **two** by-products of fermentation.

(i) _____ (ii) _____

8. Complete the table below in relation to the processing of milk.

(6)

Process	Temperature	Time	Effect
Ultra Heat Treatment			

9. Name **three** components / stages in family resource management.

(6)

Give **two** examples of family life which require management skills.

(i) _____

(ii) _____

10. Explain **each** of the following: (6)

Insurance premium _____

Insurance policy _____

11. Name **three** social welfare payments available to individuals. (6)

(i) _____

(ii) _____

(iii) _____

12. What protection is provided to the consumer by the Consumer Information Act, 1978 / Consumer Protection Act, 2007? (6)

(i) _____

(ii) _____

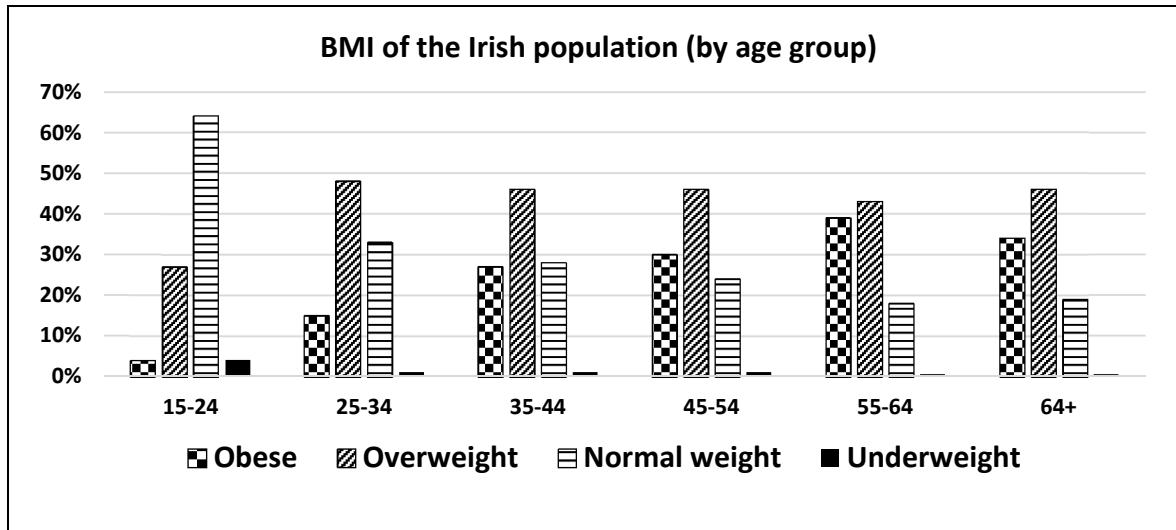
Section B

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.

1. **Rising levels of overweight and obesity are placing an increasing burden on individuals and society. Currently, six in ten adults and one in four children are overweight or obese.**

(*A Healthy Weight for Ireland: Obesity Policy and Action Plan 2016 – 2025*)

Body Mass Index (BMI) is a standardised measure used to estimate whether or not someone is underweight, normal weight, overweight or obese.



- (a) Using the information provided in the chart, comment and elaborate on the variations in Body Mass Index among the different age groups of the Irish population. (20)
- (b) Classify *carbohydrates*.
With reference to **each** class give:
- the chemical formula
 - examples
 - food source.
- (15)
- (c) Explain **three** properties of sugar and the related culinary use of each. (15)
- (d) Assess the effects of high sugar consumption on the body. (10)
- (e) **The rate of obesity in Ireland has been increasing despite the fact that it is preventable.**
Outline **five** strategies to be considered when purchasing **and** preparing food in order to reduce sugar consumption. (20)

2. Ireland produces more farmhouse cheese varieties per capita than any other country in the world. Our reputation for quality extends overseas, with Ireland exporting 90% of the cheese it produces.

(The National Dairy Council)

- (a) Evaluate the nutritional value **and** the dietetic contribution of cheese to the diet. (20)

- (b) Describe the production of cheese.

Refer to:

- stages of production
- packaging and labelling.

(18)

- (c) Discuss the role of artisan producers / small businesses in the Irish food industry. (12)

3. The ‘taste’ experience is an accumulation of multiple senses.

- (a) Discuss the influence of the senses when choosing, cooking and eating food. (16)

- (b) Outline **four** conditions required for sensory analysis testing. (16)

- (c) Write a detailed account of **one difference test** used in the food industry.

Refer to:

- name of test
- aim
- implementation.

(18)

4. Everyone needs a home: a secure, comfortable place in a pleasant and sustainable community; a place to rear a family if they so wish and to grow old in serenity.

(Social Housing Strategy, 2020)

- (a) Analyse the factors that influence housing choices.

Refer to:

- socio-economic factors
- availability of housing
- national housing policy.

(18)

- (b) Outline the conditions that are required in order to qualify for mortgage approval. (16)

- (c) Name and describe **one** type of mortgage available to house purchasers. (16)

5. Marriage is still very popular in Ireland. In 2015, religious ceremonies accounted for the highest proportion of marriages (66.3%). Civil ceremonies were the most popular choice for non-religious marriage ceremonies (28%). In recent years the Humanist Association has also risen in popularity with 5.7% of marriages. *(Central Statistics Office, 2016)*

- (a) Outline the variations that exist in marriages today. (16)

- (b) Discuss the benefits of pre-marriage courses for couples preparing for marriage. (16)

- (c) Evaluate **each** of the following options available to couples experiencing difficulties in their marriage:

- marriage counselling
- family mediation
- legal separation.

(18)

Section C

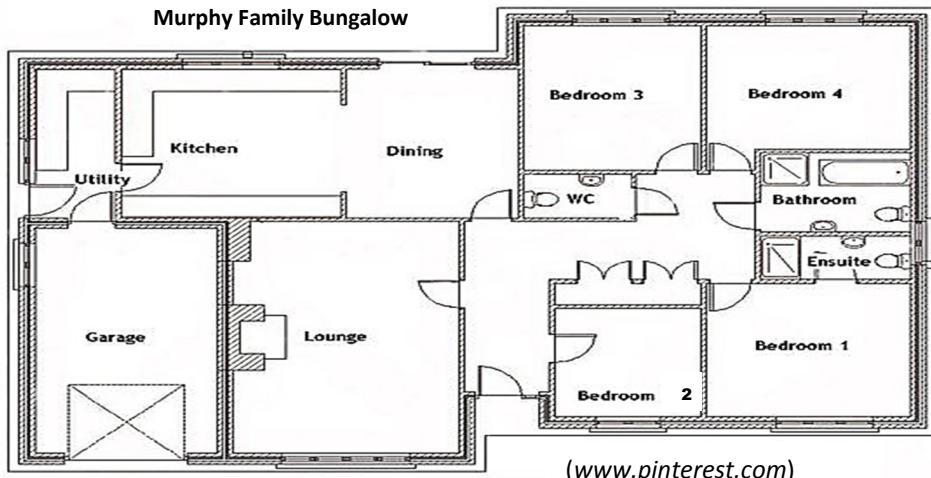
Answer **one elective question** from this section.

Candidates who submitted Textiles, Fashion and Design coursework for examination may only attempt elective question 2.

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) The Murphy family live in a bungalow with their two children, John (11 years) and Emily (4 years).**



(www.pinterest.com)

- (i) Evaluate the suitability of the home for the family's present and future needs. Suggest modifications, if required. (20)
- (ii) Identify potential energy inefficiencies in a home **and** suggest strategies for improvement. (15)
- (iii) Write an informative note on the Building Energy Rating (BER) certificate. (15)

and

- 1.(b) To the greatest extent possible, every household in Ireland will have access to secure, good quality housing suited to their needs at an affordable price and in a sustainable community.**

(Vision Statement: Department of Housing, Planning, Community and Local Government)

- (i) Evaluate the adequacy of social housing provision in Ireland. (18)
- (ii) Comment on the importance of **each** of the following services for new housing developments:
- schools
 - transport
 - refuse collection.
- (12)

or

- 1.(c) Proper ventilation is vital to a family's health and comfort.**

- (i) Outline the importance of adequate ventilation in the home. (12)
- (ii) Recommend **one** natural **and** **one** artificial method of ventilation suitable for a kitchen / living area. Explain the underlying principle of **each** method. (18)

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) The athleisure trend is turning workout wear into a serious style statement. People of every age are wearing workout clothes all day.**



(www.marieclaire.com)

- (i) Comment on the outfit shown in the picture above.

Refer to:

- comfort
- aesthetic appeal
- current fashion trend.

(15)

- (ii) Discuss the influence of trend setters **and** the media on fashion.

(10)

and

- 2.(b) Blending is combining different fibres together to achieve a desired product characteristic.**

Write a profile of **one** blended fabric.

Refer to:

- fibre production
- fabric properties
- uses.

(15)

or

- 2.(c) The textile and fashion industry is one which is market-driven, with high levels of skill, imagination and creativity.**

- (i) Outline how the Irish fashion industry is promoted at home and abroad.

(9)

- (ii) Name and give details of **one** career opportunity in the textile and fashion industry.

(6)

Elective 3 – Social Studies (80 marks)

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

- 3.(a) Unemployment in Ireland is now at its lowest level since December 2008. Total numbers unemployed have now fallen by 52% from the 327,000 peak recorded in 2011.**

	2011	2012	2013	2014	2015	2016
Unemployment rates in Ireland	15.1%	14.1%	12.2%	10.2%	8.9%	7.2%

(The Irish Times, 2016)

- (i) Comment on the information provided above and analyse why unemployment rates have changed in Ireland. (20)
- (ii) Discuss the effects of unemployment on individuals, families **and** society. (20)
- (iii) Name **and** give details of **one** scheme to reduce expenditure for low-income families. (10)

and

- 3.(b) The percentage of men exceeds the percentage of women in the labour force.**

- (i) Analyse the factors that influence the participation of women in employment. (15)
- (ii) Comment and elaborate on the childcare options available for working parents. (15)

or

- 3.(c) The number of people emigrating remains high, despite improvements in the economy and a fall in unemployment.**

- (i) People often move from place to place in search of work, discuss the impact this has on individuals and their families. (20)
- (ii) Outline how a person's work ethic influences their attitude to work. (10)

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