



Pre-Leaving Certificate Examination, 2012

Triailscrúdú na hArdteistiméireachta, 2012

HOME ECONOMICS – SCIENTIFIC AND SOCIAL HIGHER LEVEL

Name:
School:
Address:
Class:
Teacher:

TIME: 2½ HOURS

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 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. (a) Identify **two** functions of iodine. (4)
- (i) _____
- (ii) _____
- (b) State the RDA of iodine. (2)
- _____
2. (a) State **two** properties of water. (4)
- (i) _____
- (ii) _____
- (b) State **one** biological function of water. (2)
- _____
3. (a) How does diverticulitis affect the body? (3)
- _____
- _____
- (b) State **three** ways of including fibre in the diet. (3)
- (i) _____
- (ii) _____
- (iii) _____

4. In relation to protein, differentiate between: (6)

(i) Deamination _____

(ii) Denaturation _____

5. (a) List **two** career opportunities in the manufacturing food industry. (2)

(i) _____ (ii) _____

(b) State **two** ways that Bord Bia supports small businesses. (4)

(i) _____

(ii) _____

6. Differentiate between the following **and** give an example of **each**. (6)

(i) *Enzymatic browning* _____

Example _____

(ii) *Non-enzymatic browning* _____

Example _____

7. (a) State **two** functions of physical conditioning agents. (6)

(i) _____

(ii) _____

(b) Name **two** examples of physical conditioning agents.

(i) _____ (ii) _____

8. Explain the difference between: (6)

(i) Term assurance _____

(ii) Whole of life assurance _____

(iii) Endowment assurance _____

9. (i) Discuss the Fire Safety (Domestic Furniture) Order, 1988. (4)

(ii) Name the **two** types of labels that should be attached to a suite of furniture. (2)

10. (i) Explain the term *APR*. (2)

Under the Consumer Credit Act, 1995, outline **two** pieces of information regarding APR that are of benefit to the consumer? (4)

(i) _____

(ii) _____

11. List six changes that have occurred in shopping patterns in recent times. **(6)**

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____
- (vi) _____

12. Describe three ways of becoming environmentally friendly. **(6)**

- (i) _____

- (ii) _____

- (iii) _____

Section B

Answer Question 1 and any two questions from this section.

Question 1 is worth 80 marks. Questions 2, 3, 4 and 5 are worth 50 marks each.

1. Ireland's natural resource based seafood industry provides an important source of economic activity in our remote coastal regions. The industry contributes about €700 million annually to national income and employs 11,000 people.

(www.bim.ie)

Type	Protein g	Lipids G	Polyunsaturated g	Iodine mcg	Vitamin B12 Mcg
Cod	18.3	0.7	t	110	1
Herring	17.8	13.2	2.7	29	13
Mackerel	18.7	16.1	3.3	140	8
Oyster	10.8	1.3	0.5	60	17
Salmon	21.6	11	3.1	76	12

- (a) Using the information provided in the table, evaluate the contribution of fish in the diet. (20)
- (b) Write a note on cholesterol. (7)
- (c) Give an account of lipids. Refer to: (33)
- (i) structure of fatty acids
 - (ii) biological functions
 - (iii) properties of lipids.
- (d) Outline measures taken by the fishing industry to increase the consumption of fish. (20)

2. **‘The sensory properties of food are key to the success of new products in today’s highly competitive market place.’** *(www.dit.ie)*
- (a) Discuss **four** changes in food and eating patterns in the Irish diet over the last century. **(20)**
- (b) Name **three** categories of Sensory Analysis tests. Name **and** describe **one** test from each category. **(15)**
- (c) Explain the importance of **three** controls that should be implemented when carrying out Sensory Analysis testing. **(15)**
3. **Basic good hygiene conditions and practices are prerequisites to any HACCP system.**
- (a) Outline the benefits of the HACCP system for food manufacturers. **(12)**
- (b) Discuss the conditions necessary for the growth of yeast **and** describe the reproduction of yeast. **(26)**
- (b) Outline **two** methods of controlling enzymatic spoilage of food. **(6)**
- (c) Write a note on fermentation. **(6)**
4. **In today’s recessionary times the consumer must shop around to get the best value for money.**
- (a) Outline **four** points to consider when buying a household appliance. **(8)**
- (b) On a **small** appliance with a motor you have studied, discuss the following:
 (i) description of appliance
 (ii) working principle
 (iii) guidelines for use. **(24)**
- (c) Explain the use of energy labels on electrical appliances. **(8)**
- (d) Write a short note on the Consumer Association of Ireland. **(10)**
5. **‘The age at which people are marrying continues to rise – grooms being on average 33.8 years and brides 31.7 years.’** *(www.irishtimes.com)*
- (a) Discuss the effects of social changes **and** economic factors on the changing roles of spouses in the family. **(17)**
- (b) Outline how role conflict impacts on the family. **(12)**
- (c) List **four** requirements within Irish legislation to get married. **(12)**
- (d) Discuss how people can prepare for marriage. **(9)**

Section C

Answer one elective question from this section.

Candidates who submitted Textiles, Fashion and Design coursework for examination may only attempt 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) **Your house is your castle; therefore how you decorate it reflects your style and personality.**
- (i) Outline **five** factors that influence the choice of housing style in relation to: (20)
- economic influences and
 - environmental influences.
- (ii) Discuss **four** factors to be considered when selecting floor coverings for a family home. (16)
- (iii) Describe **one** hard flooring and **one** semi hard flooring that you would recommend for a kitchen. In each case refer to: (14)
- type of flooring
 - properties.
- and**
- (b) **With the introduction of water rates, people are becoming more aware of their water usage.**
- (i) Explain with the aid of a diagram the cold water supply for a house. (14)
- (ii) Write a note on water storage in the home. (8)
- (iii) Identify **two** ways of water conservation in the home. (8)
- or**
- (c) **With the dramatic rise in asthma among children, adequate ventilation in homes is extremely important in asthma prevention.**
- (i) Outline **three** methods of improving natural ventilation in the home. (12)
- (ii) Recommend **one** type of artificial ventilation suitable for **each** of the following areas of the home: (18)
- kitchen
 - bathroom.
- State the underlying principle for **each** type.

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) **‘Fashion design is the creation of design concepts which are then translated into manufactured garments for every occasion.’** *(www.gradireland.com)*
- (i) Discuss **five** stages in the design process. **(15)**
- (ii) Outline the impact of celebrities on the fashion industry. **(10)**

and

- (b) **Clothing gives the wearer an identity.**
- (i) Explain **three** factors that influence clothing requirements. **(9)**
- (ii) Name **two** current fashion trends within male fashion. **(6)**

or

- (c) **Irish designers have exposed the unique style of Irish fashion to the fashion world.**
- Discuss the contribution of **three** Irish designers to the success of the clothing industry in Ireland. **(15)**

Elective 3 – Social Studies (80 marks)

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

3. (a) **In 2009, children were the most vulnerable group in our society with an ‘at risk of poverty’ rate of 18.6%.** *(www.cso.ie)*
- (i) Outline **five** causes of poverty and make reference to the poverty trap and poverty cycle. **(25)**
- (ii) Discuss the geography of poverty. **(15)**
- (iii) Describe **two** government initiatives to alleviate poverty. **(10)**

and

- (b) **Aistear is the curriculum framework for children from birth to six years in Ireland.** *(www.ncca.ie)*
- (i) Discuss the requirements of parents when looking for childcare. **(12)**
- (ii) Name and evaluate **two** forms of childcare available in your area. **(12)**
- (iii) Write an informative note on the Early Childhood Care and Education Scheme. **(6)**

or

- (c) **2011 was the European year of the volunteer, highlighting the huge contribution volunteers make to society.** *(www.volunteeringireland.ie)*
- (i) List the reasons for foreign investment to locate in Ireland. **(18)**
- (ii) Outline the benefits of voluntary work to:
- the individual
 - the community.
- (12)**

Blank Page

Blank Page