

PRE-LEAVING CERTIFICATE EXAMINATION 2009

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 Zinc. (4)

(i) _____

(ii) _____

(b) State the RDA of Zinc for an adult. (2)

2. Complete the following in relation to the digestion of protein. (6)

Secretion	Enzymes	Substrate	Product
Pancreatic Juice	Trypsin		
Intestinal Juice	Peptidase		

3. (a) State **two** properties of water. (4)

(i) _____

(ii) _____

(b) State **one** biological function of water. (2)

4. In relation to oil production, explain the following processes. (6)

(a) Degumming _____

(b) Neutralising _____

5. (a) Give **two** examples of Difference tests used in sensory analysis. (2)
(i) _____ (ii) _____

(b) State **two** conditions required for conducting Sensory Analysis. (4)
(i) _____

(ii) _____

6. List **two** different classes of pastry and give **two** examples of each class. (6)

Class of Pastry	Example 1	Example 2

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

(i) Infective food poisoning _____

Example _____

(ii) Toxic food poisoning _____

Example _____

8. (a) List **two** career opportunities in the manufacturing food industry. (2)
(i) _____ (ii) _____

(b) State **two** ways that An Bord Bia supports small businesses. (4)
(i) _____
(ii) _____

9. Define **each** of the following methods of cooking. (6)

(i) Braising _____

(ii) Saucepan steaming _____

10. (a) Name **two** types of retail outlets. (2)

(i) _____ (ii) _____

(b) List **four** ways retail outlets encourage consumers to buy. (4)

(i) _____

(ii) _____

(iii) _____

(iv) _____

11. In relation to the Management process explain the following: (6)

Input _____

Throughput _____

Output _____

12. (a) What is APR? (6)

(b) List **two** advantages of buying on credit.

(i) _____

(ii) _____

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.

<i>Type</i>	<i>Protein</i>	<i>Fat</i>	<i>Carbohydrate</i>	<i>Minerals</i>	<i>Vitamins</i>
Corn flakes	7g	0.9g	87g	3g iron, sodium	1g Thiamin B1, Niacin, B6, B12, RiboflavinB2
Cheerios	8.1g	3.9g	81.7g	3g sodium, calcium, iron	2g Thiamin B1, Niacin, B6, B12, RiboflavinB2, Folic acid, Vit C.
Weetabix	11.5g	2g	78.4g	2g iron, sodium	3g Thiamin B1, Niacin, RiboflavinB2, Folic acid
Crunchy Oats	8.7g	13g	71.3g	trace sodium	Trace B group Vit,

- (a) Compare the dietetic value of the cereals listed above. (16)
- (b) Define Value Added Food. (4)
- (c) Give an account of Cobalamin B12 and Thiamine B1 and refer to:
- (i) Sources (40)
 - (ii) Biological functions
 - (iii) Deficiency
 - (iv) Properties.
- (d) Write an informative note on Coeliac disease. (8)
- (e) List the dietary guidelines for a person with Coeliac disease. (12)

2. (a) Outline **four** benefits of food processing for the consumer. (12)
- (b) Explain **one** process of drying milk to extend its shelf life. (12)
- (c) Evaluate **two** forms of packaging in terms of the following:
- (i) Fit for purpose
- (ii) Environmental impact. (14)
- (d) Write an informative note on **Labelling regulations 1982 & 1991** (European Communities (Labelling, Presentation and Advertising of Foodstuffs) Regulations, 2002. (12)
3. (a) Outline **four** points to consider when buying a household appliance. (8)
- (b) On an appliance with a motor you have studied discuss the following:
- (i) Description of appliance
- (ii) Working principle
- (iii) Guidelines for use. (24)
- (c) Outline the steps to be followed when a problem occurs with a product or service. (8)
- (d) Write a short note on the Consumer Association of Ireland. (10)

4. **Ann and John O'Malley live with their two children, Mark (3) and John (1). Both parents work full time and have a combined net monthly income of €4,025.00. They also receive child benefit of €350 per month. Their mortgage repayment is €1,025 per month. They have two cars and both children are attending a crèche each day.**
- (a) Design a budget for the above family for **one** month. (11)
 - (b) List **four** points that should be followed when planning a household budget. (12)
 - (c) Discuss **three** methods of consumer research **and** outline the benefits to the manufacturer. (15)
 - (d) Outline how borrowers are protected by the Consumer Credit Act, 1995. (12)
- 5.
- (a) List **four** requirements within Irish legislation to get married. (12)
 - (b) Discuss how the (i) social and (ii) technological changes have affected modern family structures. (18)
 - (c) Discuss how the physical and psychological needs of the child are met within the family. (8)
 - (d) Explain how the child is protected by The Child Care Act 1991. (12)

Section C

Answer one elective question from this section.
Candidates who submitted Textiles, Fashion and Design coursework
for examination may attempt only 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)**
- (i) Outline **four** factors that influence the choice of housing style in relation to (i) economic influences and (ii) environmental influences. **(16)**
 - (ii) Write a note on The National House Building Guarantee Scheme – Home bond. **(10)**
 - (iii) Evaluate the cost of buying a house in comparison to renting a house. **(12)**
 - (iv) Discuss **four** factors to consider when designing a house for a disabled person. **(12)**

and

- (b)**
- (i) Outline the factors that influence the interior design in a house. **(10)**
 - (ii) Name the **two** main types of glass used in a home and discuss in **each** case (a) its properties (b) its uses. **(20)**

or

- (c)**
- (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 to conserve water in the home. **(8)**

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) (i) Sketch **and** describe a formal evening outfit for a person attending a graduation. (8)
- (ii) Indicate:
- (a) How the principles of design have been applied. (9)
- (b) Explain **two** finishes that you would applied. (8)

and

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

or

- (c) On a natural fabric you have studied:
- (i) Describe a microscopic evaluation of the fabric with the aid of a diagram. (10)
- (ii) Explain how a woven fabric is constructed. (5)

Elective 3 – Social Studies (80 marks)

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

- 3. (a)**
- (i) Outline **five** causes of unemployment in Ireland. (15)
 - (ii) Discuss the extent of unemployment in Ireland. (8)
 - (iii) Discuss **one** statutory initiative which encourages foreign investment. (9)
 - (iv) Discuss the effects of unemployment on (a) the unemployed person **and** (b) the family. (18)

and

- (b)**
- (i) Outline **five** factors that influence educational achievement. (15)
 - (ii) Comment on the provisions made in second level education to encourage access of students with special needs. (15)

or

- (c)**
- (i) Discuss the impact of social and economic change on the family in relation to (a) pay and working conditions **and** (b) women in the workforce. (18)
 - (ii) Outline the benefits of voluntary work to (a) the individual **and** (b) the community. (12)

Blank Page

Blank Page