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# Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2011

**HOME ECONOMICS – SCIENTIFIC AND SOCIAL**

**HIGHER LEVEL**

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| <b>CENTRE STAMP</b> |
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**WEDNESDAY, 8 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 attempt only 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. Complete the following table in relation to carbohydrates. (6)

| Classification  | Example | Food Source |
|-----------------|---------|-------------|
| Monosaccharides |         |             |
| Disaccharides   |         |             |
| Polysaccharides |         |             |

2. List three properties of Vitamin A (Retinol). (6)

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_

3. State three effects of calcium deficiency on the body. (6)

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_

4. Name the main type of protein found in each of the foods listed below. (6)

| Food  | Type of Protein |
|-------|-----------------|
| Fish  |                 |
| Eggs  |                 |
| Wheat |                 |

5. In relation to freezing vegetables, explain how loss of vitamin B<sub>1</sub> and vitamin C may occur. (6)

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6. Complete the following table in relation to food additives. (6)

|              | Example | Function | Example of use |
|--------------|---------|----------|----------------|
| Antioxidants |         |          |                |

7. Name one method used to tenderise meat and explain the principle involved. (6)

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8. Name three common food poisoning bacteria. (6)

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_

9. Identify **three** components of the *Management Process*. (6)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

Give an example of when the *Management Process* may be used.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. What is Family Income Supplement (FIS)? (6)

\_\_\_\_\_

\_\_\_\_\_

State **two** conditions that must be fulfilled in order to qualify for FIS.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

11. Outline **three** conditions that are generally required in order to qualify for a mortgage. (6)

(i) \_\_\_\_\_

\_\_\_\_\_

(ii) \_\_\_\_\_

\_\_\_\_\_

(iii) \_\_\_\_\_

\_\_\_\_\_

12. What information does **each** of the following symbols convey to the consumer? (6)

(i)

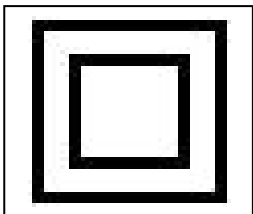


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(ii)



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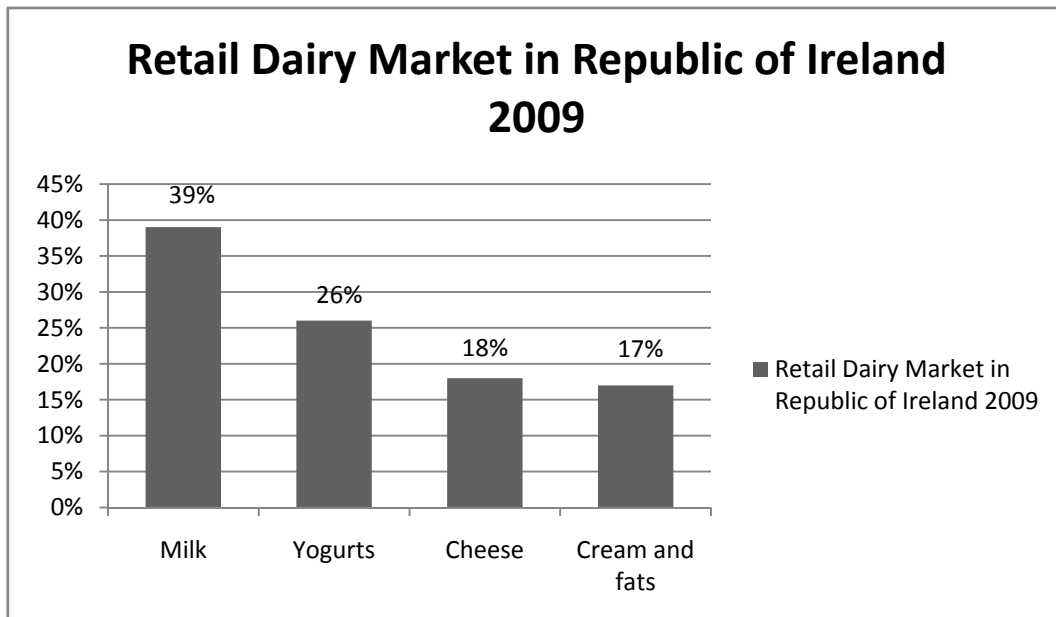
## Section B

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. The National Dairy Council (NDC) plays a vital role in driving a sustainable dairy industry in Ireland and in educating consumers on the role of dairy in their lifestyles.

The chart below provides information on the retail dairy market in Ireland in 2009 (excluding independent/doorstep sales).



(Dairy: Food for Life Annual Review Plan 2009&2010. NDC)

- (a) Using the information provided in the chart, comment and elaborate on consumer consumption of milk and dairy products in Ireland. (20)
- (b) Give an account of protein and refer to:
- the structure of an amino acid
  - how a peptide bond is formed
  - properties. (28)
- (c) Describe **one** process used by manufacturers to prolong the shelf life of milk. In your answer refer to:
- name of process
  - how the process is carried out
  - the effect of the process on the nutritive value of milk. (12)
- (d) Comment and elaborate on the growing popularity of foods produced by small businesses and home enterprises. (20)

2. **‘Diabetes affects people from all walks of life, from the very young to the very old and is now considered an epidemic that is exploding across the world.’**

*(World Health Organisation)*

(a) Write an informative account of diabetes.

Refer to:

- types
- symptoms
- specific dietary requirements that should be followed in order to manage the condition.

**(30)**

(b) Classify artificial sweeteners and give **one** example of each.

**(12)**

(c) Outline the uses of sweeteners in food manufacture.

**(8)**

3. **The organic, home-made food trend may have grown rapidly in the past decade, but in the recession many consumers have returned to cheaper processed food.**

(a) Give an account of the factors that affect a consumer’s choice of food.

**(20)**

(b) Profile a food of your choice that has undergone extensive processing.

Give details of **each** of the following:

- stages of production
- packaging
- labelling.

**(20)**

(c) Outline the protection provided to the consumer by the Sale of Food and Drugs Acts (1875, 1879, 1899 and 1936).

**(10)**

4. **‘The performance of the economy has had a significant impact on the family unit.’**

*(The Irish Times, 13<sup>th</sup> September 2010)*

- (a) Outline the role of the household/family as a financial unit within the economy. (10)
- (b) Discuss the impact of the following social factors on household income:
- age
  - gender
  - social class
  - culture. (24)
- (c) Identify and explain **four** factors that may contribute to varying patterns of household expenditure. (16)

5. **Families are the oldest expression of human relationship and have been continually adapting to change, human development and progress.**

- (a) Define the term *family* and explain what is understood by the universality of the family. (10)
- (b) Discuss the roles and responsibilities of family members **and** explain how these roles change through the life cycle of the family. (24)
- (c) Give an account of **four** factors that enable older people to maintain their independence. (16)



## 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) Different building styles have evolved with increasing population and advancement in construction technology. There are reasons for the development of every housing style.**

- (i) Identify **three** housing styles commonly found in Ireland today and suggest reasons for the popularity of each. (24)
- (ii) Outline the procedures involved in obtaining full planning permission. (12)
- (iii) Set out details of **one** piece of current legislation which regulates house building standards. (14)

**and**

**1.(b) Most energy used in the world is generated from non-renewable energy sources.**

- (i) Discuss **one** non-renewable source of energy used in the home.  
Refer to:
- source
  - advantages/disadvantages
  - sustainability. (15)
- (ii) Describe **three** ways in which the design and construction of a house can help reduce energy consumption. (15)

**or**

**1.(c) ‘It’s very easy to underestimate the value lighting has on our well being and mood.’**  
*(Ireland’s Home Interiors & Living Magazine, August 2010)*

- (i) Discuss the principles that should be considered when planning a lighting system for a family home. (12)
- (ii) Name and explain **three** properties of light.  
In **each** case give an example of its application in the home. (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) A good school uniform not only helps to develop a sense of pride but also helps to promote each individual school.**

(i) Sketch and describe an outfit suitable for wear as a school uniform. (10)

(ii) In relation to the outfit give details of:

- how **three** principles of design have been applied
- how the outfit is suitable for purpose. (15)

**and**

**2.(b) Write a profile of one fabric manufactured from natural fibres.**

Refer to:

- fibre production
- fibre properties
- identification of fibres using the burning test. (15)

**or**

**2.(c) Ireland has an international reputation for the design and manufacture of quality clothing.**

(i) Name **three** major sectors in the Irish clothing and textile industry. (3)

(ii) Explain how **each** of the following impact on the design and construction of clothing:

- fashion trends
- lifestyle
- cost. (12)

### **Elective 3 – Social Studies (80 marks)**

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

**3.(a) ‘Less than 15 percent of Leaving Certificate students in some poorer areas of Dublin are progressing to third level while most schools in south Dublin have a progression rate of 100 percent.’**  
*(The Irish Times, 16<sup>th</sup> November 2010)*

- (i) Analyse the principle factors that influence educational achievement. **(24)**
- (ii) Discuss **four** factors that contribute to the increasing demand for adult and second chance education in Ireland. **(16)**
- (iii) Name and give details of **one** contemporary initiative that has improved access for students to third level education. **(10)**

**and**

**3.(b) In Ireland, the last 30 years have seen dramatic social and economic changes.**

- (i) Discuss the impact of social change on family life. **(20)**
- (ii) Assess the effects of decreasing employment opportunities in Ireland today. **(10)**

**or**

**3.(c) In 2007, two out of every three women were active in the Irish labour market.**  
*(A Woman’s Place: Female Participation in the Irish Labour Market. ESRI, 2009)*

- (i) Analyse the factors that have contributed to the increased participation rate of women in the Irish labour market. **(20)**
- (ii) Give **two** examples of how legislation protects the rights of people in employment. **(10)**

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