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Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2010

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

HIGHER LEVEL

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|---------------------|
| CENTRE STAMP |
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WEDNESDAY, 9 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 in relation to the digestion of proteins. (6)

| Organ / Gland | Secretion | Enzyme | Substrate | Product |
|---------------|------------------|--------|-----------|---------|
| Pancreas | Pancreatic Juice | | | |

2. Name three properties of sugar and state one culinary use of each. (6)

| Property | Culinary use |
|----------|--------------|
| 1. | |
| 2. | |
| 3. | |

3. State two functions of folate (folic acid) in the diet. (6)

(i) _____

(ii) _____

4. List three main functions of energy in the body. (6)

(i) _____

(ii) _____

(iii) _____

5. State the role of **each** of the following in relation to the processing of cheese. (6)

(i) *lactic acid bacteria* _____

(ii) *rennet* _____

6. Name **two** types of pastry. (6)

(i) _____ (ii) _____

State **one** difference between the types of pastry named.

7. State the function of **two** of the physical conditioning agents named below. (6)

| Type | Function |
|----------------|----------|
| Humectants | |
| | |
| Polyphosphates | |
| | |
| Stabilisers | |
| | |

8. Outline **three** benefits of implementing a HACCP system. (6)

(i) _____

(ii) _____

(iii) _____

9. State the function of **each** of the following parts of the refrigerator. (6)

Refrigerant _____

Condenser _____

10. Identify **three** desirable performance properties in textiles. (6)

(i) _____

(ii) _____

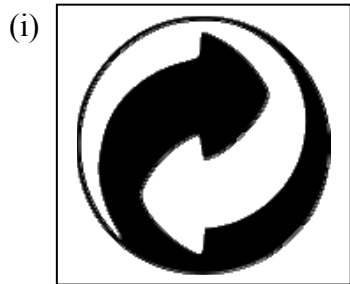
(iii) _____

11. Explain how borrowers are protected by the Consumer Credit Act (1995).
Give **two** points. (6)

(i) _____

(ii) _____

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



Green Dot



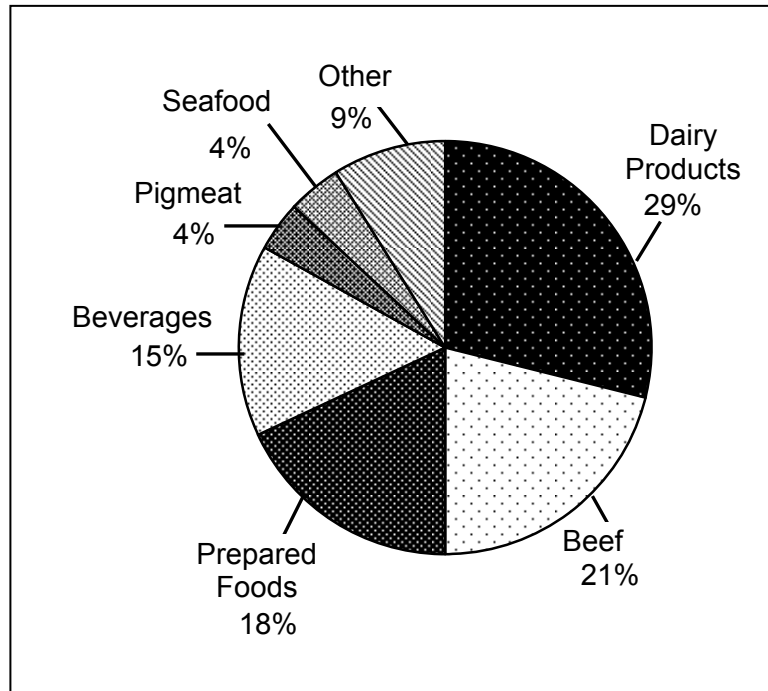
Eco Label

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. Estimates of the distribution of Irish agri-food and drink exports in 2008 by sector are shown below.

Breakdown of Irish food and drink exports, 2008 (%)



Source: Bord Bia

- (a) (i) Comment and elaborate on the distribution (%) of Irish food and drink exports as shown above. In your answer refer to **four** sectors. (24)
- (ii) Give details of career opportunities available within one of the sectors named. (24)
- (b) Meat makes an important contribution to the intake of micronutrients such as iron. Give an account of iron and refer to:
- sources in the diet
 - biological functions
 - recommended daily allowance (RDA) for adults. (21)
- (c) Identify and explain **three** factors which affect the absorption of iron in the body. (15)
- (d) Discuss the factors that may affect consumers' decision making in relation to the purchase of meat and meat products. (20)

2. **‘Few Irish people consume the two portions of fish recommended each week. Despite being surrounded by some of the best fishing and fish in the world we are often reluctant to try this incredibly healthy food.’**

Press Release – Evening Herald

- (a) Evaluate the nutritional and dietetic contribution that fish makes to the diet. **(20)**
- (b) Recommend **one** dry method of cooking and **one** moist method of cooking suitable for fish.
In relation to each method recommended:
- state the underlying cooking principle involved
 - comment on the palatability of the cooked fish. **(20)**
- (c) Identify and discuss **two** contemporary trends in Irish eating patterns. **(10)**

3. **Preserving food to extend its shelf life, whilst ensuring it’s safety and quality, is a central aim of the food industry.**

- (a) Set out details of the findings of a comparative evaluation you have carried out on a food which can be preserved using **two** different methods of preservation. In your answer refer to:
- name of food
 - suitable methods of preservation
 - the underlying principle of each method of preservation
 - risk of food spoilage. **(26)**
- (b) Assess the use of plastics as a packaging material having regard to:
- types
 - suitability for purpose
 - environmental impact. **(16)**
- (c) Outline the protection provided to the consumer by Labelling Regulations (1982, 1991 and 2002). **(8)**

4. **The average household in Ireland owes a whopping €115,000 according to the Central Statistics Office and as the recession bites a growing number of people are struggling with the burden of personal debt.**
(CSO – Press release April '09)

(a) Suggest some strategies that should be followed when planning family budgets to ensure effective management of financial resources. **(20)**

(b) Explain why **each** of the following are important considerations when selecting a saving scheme:

- security of savings
- interest payable
- access to funds
- tax payable. **(20)**

(c) Explain how MABS (Money Advice and Budgeting Service) assist families who are experiencing financial difficulties. **(10)**

5. **‘The State recognises that family life gives to society a support without which the common good cannot be achieved. The State endeavours to support caring for others within the home.’**
The Women’s Health Council

(a) Describe **four** main functions of the family in modern society **and** outline how the state supports the family with these functions. **(24)**

(b) Discuss the merits of good child-parent communication. **(12)**

(c) State why it is important for parents to make a will and outline the procedure involved. **(14)**

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) An awareness of the elements and principles of design is essential when creating successful visual compositions.

- (i) Explain **three** principles of design and give an example of the application of each in interior design. (18)
- (ii) Explain how **each** of the factors listed below can influence the interior design of the home:
- aesthetic and comfort factors
 - ergonomics
 - family size and circumstances. (20)
- (iii) Recommend **one** type of fabric suitable for household soft furnishings. Give reasons for your choice. (12)

and

- 1.(b)** (i) Describe the processes carried out at water treatment plants to ensure household water supply is fit for human consumption. (15)
- (ii) In relation to the cold water storage system in the home, explain the function of **each** of the following:
- stop cock
 - ball valve / ball cock
 - overflow pipe. (15)

or

1.(c) For most young people, especially single individuals, buying a house is still a far-off prospect given reduced income levels and increasing unemployment.

- (i) Discuss the adequacy of housing provision in Ireland today. (18)
- (ii) Name and give details of **one** type of social housing. (12)

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) Wearing the right festival gear can often make a big difference to your enjoyment of an event.

- (i) Give an account of the factors that would influence your selection of clothing when attending an outdoor music festival. **(8)**
- (ii) Sketch **and** describe an outfit suitable to wear to such a festival. **(9)**
- (iii) In relation to the outfit, give details of
- **one** type of suitable fabric and reasons for choice
 - **one** functional finish that could be applied to the fabric. **(8)**

and

2.(b) Write a profile of one blended fabric you have studied.

Refer to:

- production
- properties
- identification test
- uses. **(15)**

or

2.(c) (i) Discuss how the Irish clothing industry has maintained international recognition. **(9)**

(ii) Name and give details of **one** career opportunity in the textile 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) The Irish economy has come to the end of a prolonged period of growth, this will increase the number of households vulnerable to poverty.

- (i) Discuss the influence of **each** of the following as a contributory factor to poverty in Ireland today:
- the economic recession
 - social policy
 - the cycle of deprivation in families and geographical areas. **(30)**
- (ii) Outline how the state has responded to eliminating poverty. **(10)**
- (iii) Write an informative note on **one** national voluntary organisation which works with individuals / families experiencing poverty. **(10)**

and

3.(b) ‘Having a work environment that is dynamic encourages people to share their views and be innovative.’
(Irish Independent March 2009)

- (i) Assess how intrinsic **and** extrinsic factors affect attitudes to work. **(10)**
- (ii) Identify and discuss some of the changes in patterns of work and work availability in Ireland today. **(20)**

or

3.(c) ‘Secondary education in Ireland aims to build on the foundation of primary education to provide a comprehensive, high quality learning environment to enable all students to live full lives and to realise their potential as individuals and citizens.’
(www.educationireland.ie)

- (i) Outline the purpose of education as a preparation for work. **(10)**
- (ii) Discuss equality of opportunity in education with reference to **each** of the following:
- gender equity
 - early school leavers. **(20)**

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