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M 48



**Coimisiún na Scrúduithe Stáit**  
**State Examinations Commission**

**Leaving Certificate Examination 2006**

**HOME ECONOMICS – SCIENTIFIC AND SOCIAL**  
**HIGHER LEVEL**

<b>CENTRE STAMP</b>

**FRIDAY, 9<sup>th</sup> 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 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 10 questions from this section.  
Each question is worth 6 marks.  
Write your answers in the spaces provided.

1. Explain **each** of the following and give **one** source in **each** case. (6)

(i) *Cis fatty acid* \_\_\_\_\_  
Source \_\_\_\_\_

(ii) *Trans fatty acid* \_\_\_\_\_  
Source \_\_\_\_\_

2. What is Basal Metabolic Rate (BMR)? (3)

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List **three** factors that affect energy requirements. (3)

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

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

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

3. Define Coeliac condition. (3)

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Name **three** foods which should be avoided by a person with coeliac condition. (3)

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

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

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

4. Explain **two** factors that contribute to the spoilage of fish. (6)

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

\_\_\_\_\_

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

\_\_\_\_\_

5. Identify and explain **two** EU grading classes used for fruit and vegetables. (4)

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

\_\_\_\_\_

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

\_\_\_\_\_

What does this symbol convey to the consumer? (2)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



6. Classify soups and give **one** example of each class. (6)

Classification	Example

7. List **five** conditions required for the growth of moulds. (6)

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

8. Name **two** commercial methods of freezing and suggest a food suitable for each method. (6)

Method of freezing	Food

9. What is *Supplementary Welfare Allowance*? (6)

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10. In relation to Insurance explain the following: (6)

*Broker* \_\_\_\_\_

\_\_\_\_\_

*Premium* \_\_\_\_\_

\_\_\_\_\_

11. List **three** functions of the Office of Consumer Affairs. (6)

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

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

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

12. (a) Identify **two** safety considerations that should be considered when selecting textiles for household purposes. (4)

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

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

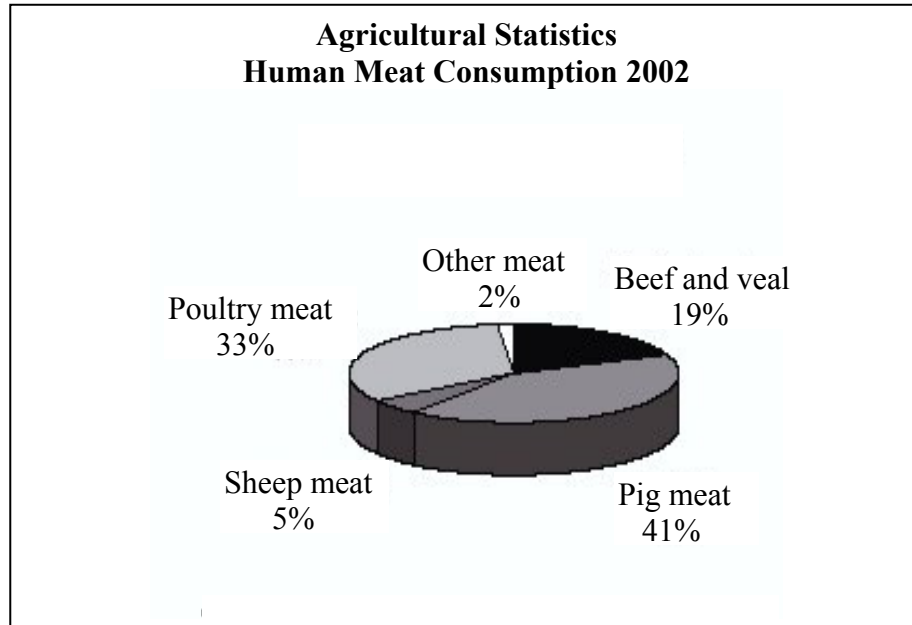
(b) Name **one** fire-retardant finish used on household furnishings. (2)

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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.



**Source: CSO Meat Supply Balance**

- (a) Using the information provided in the chart comment on consumer trends in meat consumption. Suggest reasons for such trends. (20)
- (b) Name **two** proteins present in meat. (6)
- (c) Explain (i) high biological protein (12)  
(ii) essential amino acid.
- (d) Describe (i) the primary structure and (ii) the secondary structure of protein. (24)
- (e) Identify and explain **six** key factors that a consumer should consider when purchasing protein foods to ensure economy **and** safety. (18)

2. *More than one in three Irish women do not get enough calcium.*

- (a) State:
- (i) **four** possible ill-effects of a diet deficient in calcium;
  - (ii) the recommended dietary allowance (RDA) of calcium for (a) adults and (b) pregnant women. **(18)**
- (b) Give details of the stages involved in the manufacture of yoghurt. **(20)**
- (c) Outline the measures taken by the Dairy Industry to meet current trends in the eating patterns and lifestyles of the Irish consumer. **(12)**

3. *“Sales of pre-prepared convenience foods are rocketing as consumers find that their time is being eaten away by the faster pace of modern life”.*

**Consumer Choice**

- (a) Outline the range of processed foods available **and** discuss the merits of including processed foods in the modern diet. **(24)**
- (b) Name and state the function of **two** different types of physical conditioning agents used in processed foods. **(18)**
- (c) Explain how European Union law regulates the use of food additives. **(8)**

4. *Colm and Jane Brown live with their two teenagers – David aged fifteen and Yvonne aged seventeen. Monday is a hectic day in the household. Colm leaves for work at 7.30 am and returns at 5.30 pm. Jane works from 9.00am to 4.00pm. David and Yvonne have training for the local swimming team from 4.30pm to 5.30pm. Yvonne also goes to guitar lessons at 6.30pm. As they live in a rural area transport is necessary for all activities. The family try to apply a management system to ensure that everything runs smoothly.*

(a) Explain why a good management system can contribute to a well run home and the well being of all family members. (16)

(b) Using the components of management (inputs, throughputs and outputs) explain how the Brown family could apply a management system to ensure that Mondays run smoothly in the household. (18)

(c) Give details of four consumer responsibilities. (16)

5. *According to the Irish Constitution (Article 41) the State recognises the family as the natural, primary and fundamental unit group of society.*

(The Irish Constitution)

(a) Identify and describe three types of modern family structures in today's society. (18)

(b) Discuss the effects of (i) social changes and (ii) economic changes on modern family structures. (24)

(c) Set out the conditions required for granting a divorce under the Family Law (Divorce) Act 1996. (8)



## 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) *Reduced fossil fuel supplies together with changing trends in modern housing developments, have led the consumer to investigate alternative methods of heating the home.*

- (i) Identify **three** heating options available for the modern home. (9)
- (ii) Explain the factors which should be considered when choosing a heating system for a family home. (20)
- (iii) Set out details of **one** domestic central heating system you have studied. Include reference to:
  - (a) fuel/energy source
  - (b) heating principle
  - (c) efficiency and convenience. (21)

**and**

1. (b) (i) Discuss how aesthetic and environmental factors influence the design of modern housing. (16)
- (ii) Explain how house-building standards are regulated. Refer to at least **two** different methods. (14)

**or**

1. (c) *Good lighting is an essential part of successful interior design.*

- (i) Describe **three** properties of light. (12)
- (ii) Identify **two** types of contemporary lighting and in each case evaluate its use in interior design. (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) *Well designed clothes should be pleasing to the eye, functional, take account of the elements and principles of design and be comfortable to wear.*

(i) Sketch an outfit, that reflects current fashion trends, suitable for wear to a school graduation.  
Indicate how **three** principles of design have been applied in the design of the outfit. (12)

(ii) Profile a fabric made from manufactured fibres under the following headings: (13)

- fibre production
- fabric properties
- fibre identification test.

and

2. (b) *Irish men have become increasingly fashion conscious in recent years.*

Discuss some of the changing trends in men's fashion and suggest reasons for these developments. (15)

or

2. (c) (i) Name and describe **one** colour application method and **one** design application method suitable for cotton fabric. (10)

(ii) Assess the role of accessories in completing an outfit. (5)

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

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

3. (a) *While Ireland has become increasingly wealthy in recent years, it still has one of the highest levels of income inequality in the EU.*

(i) Define **each** of the following: (10)  
(a) *Relative Poverty*  
(b) *Absolute Poverty.*

(ii) Discuss the reasons why poverty continues to be a feature of modern society. In your answer include reference to the cycle of poverty **and** the influence of social policy on poverty. (24)

(iii) Give an account of **two** statutory initiatives aimed specifically at eliminating poverty in Ireland. (16)

**and**

3. (b) *‘Almost 60% of the Irish population now live in urban areas’.*

(i) Discuss how changes in settlement patterns from rural to urban areas have impacted on family life. (18)

(ii) Comment on the efforts being made by the Government to reverse this trend and halt population decline in rural areas. (12)

**or**

3. (c) (i) Name and describe **two** contemporary initiatives which aim to improve the accessibility of education. (18)

(ii) Outline the measures taken to alleviate gender inequity in education. (12)

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