

Write your Examination Number here

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Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2009

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

ORDINARY LEVEL

CENTRE STAMP

WEDNESDAY, 3 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. State **two** effects of heat on starch. (6)

(i) _____

(ii) _____

Name **two** good sources of fibre in the diet.

(i) _____ (ii) _____

2. Complete the following statement in relation to the digestion of lipids (fats) using the words listed below. (6)

glycerol lipase fatty acids

The enzyme _____ converts lipids to _____ and

3. Outline **three** changes that have taken place in Irish eating habits from the beginning of the twentieth century. (6)

(i) _____

(ii) _____

(iii) _____

4. Outline **two** functions of Vitamin C in the body. (6)

(i) _____

(ii) _____

Name **two** good dietary sources of Vitamin C.

(i) _____ (ii) _____

5. List **two** factors that influence the amount of energy required by the body. (6)

(i) _____

(ii) _____

Explain the term **Basal Metabolic Rate (BMR)**.

6. In relation to food preservation, indicate with a tick (✓) whether each of the following statements is true or false. (6)

Food Preservation	True	False
Micro-organisms are inactivated by freezing		
Melons, pears and bananas freeze well		
Food should be frozen quickly at -25°C		

7. List **two** chemical changes that occur in food during cooking and give **one** example of each change. (6)

Chemical Change	Example
1.	1.
2.	2.

8. Explain the term *lacto-vegetarian*. (6)

Name **two** protein alternatives suitable for the diet of a vegetarian.

(i) _____ (ii) _____

9. Name **two** fibres commonly used in the manufacture of household textiles. (6)

(i) _____ (ii) _____

Select **one** of the fibres named and state **two** properties of this fibre.

Fibre _____

Properties

(i) _____

(ii) _____

10. Explain this symbol which may be found on packaging material. (6)

	

List **two** actions a consumer could take in order to conserve the use of energy in the home.

(i) _____

(ii) _____

11. Net income is take home pay after deductions have been made. Name **two** compulsory deductions and **two** voluntary deductions that may be made from an employee's salary/wage. (6)

Compulsory Deductions	Voluntary Deductions
1.	1.
2.	2.

12. Explain the term *hire purchase*. (6)

State **one** advantage and **one** disadvantage of hire purchase for the consumer.

Advantage _____

Disadvantage _____

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 World Health Organisation recommends people to limit their daily consumption of sugars to less than 10% of total energy intake....'

The table below shows the nutritional information per 100g displayed on the packaging of three breakfast cereals.

Breakfast Cereal	Carbohydrate (of which sugars)	Protein	Fat	Salt
Cornflakes (per 100g)	84 g (8g)	7g	0.9g	1.8g
Weetabix (per 100g)	68.4g (4.4g)	11.5g	2.0g	0.65g
Cheerios (per 100g)	75.2g (21.6g)	8.1g	3.9g	1.2g

- (a) Using the information provided and bearing in mind current healthy eating guidelines, evaluate the nutritional value of the **three** breakfast cereals referred to in the table above. (15)
- (b) Give an account of carbohydrates under **each** of the following headings: (28)
- functions in the body
 - sources in the diet
 - properties.
- (c) List **three** culinary uses of sugar. (9)
- (d) Suggest **two** alternatives to the breakfast cereals listed that would be suitable for school-going children. (8)
- (e) Describe **four** ways that the weekly household food bill can be reduced without affecting the nutritional value of family meals. (20)

2. **John (25) is a builder with a local firm and works from 8.00am to 5.30pm each day. He likes to watch football on television most evenings. He plays squash once a week. The following is a typical example of his daily food intake.**

<i>Menu</i>		
Breakfast	Lunch	Dinner
Breakfast roll ½ litre milk	Brown bread ham sandwich Apple Packet of crisps Bar of chocolate Can of coke	Fried steak and chips Tinned peas and beans Bowl of ice cream A doughnut Coffee

- (a) Evaluate John's daily menu under **each** of the following headings:
- healthy eating guidelines
 - nutritional value
 - energy value. (24)
- (b) Suggest some changes John could make to (i) his lifestyle and (ii) his diet. (16)
- (c) Explain the importance of including water in the daily diet. (10)

3. **'Technological developments have resulted in the emergence of an ever expanding range of appliances for use in the modern home.'**

- (a) Explain **three** benefits of sourcing consumer information before purchasing an appliance. (12)
- (b) Identify **two** sources of reliable consumer information. (8)
- (c) Set out the results of a study you have carried out on a household appliance with a motor. Refer to:
- type of appliance
 - the factors to be considered when selecting the appliance
 - design of appliance
 - guidelines for use. (30)

4. **Textiles have a wide range of uses both for clothing and household purposes.**
- (a) Comment on the importance of **each** of the following when selecting textiles for clothing:
- suitability for purpose (use)
 - personal choice
 - aesthetic appeal
 - cost. (24)
- (b) Describe **four** functions of household textiles. (16)
- (c) Name and explain the effect of **one** fire-retardant finish. (10)
5. **‘As life expectancy increases and people live longer, the roles of older people within the family change.’**
- (a) Describe how roles within the family change as parents get older. (20)
- (b) Discuss the reasons why conflict may arise between adult children and their parents. (18)
- (c) Explain the importance of good communication within the family. (12)

Section C

Answer one 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) Mary and John Ryan have 2 teenage boys. They live in a semi-detached, two storey house in a small town. They have decided to carry out some re-decoration on their 20 year old home.

- (i) Describe how **each** of the following might influence the Ryan family when planning the redecoration of their house:
- environmental factors
 - family size and circumstances
 - special needs of family members / friends. (20)
- (ii) Design, sketch and label the layout of any **one** room in the house. (18)
- (iii) Identify and comment on **two** trends currently popular in modern interior design. (12)

and

1.(b) A good lighting system is essential in every home.

- (i) Discuss **three** important points that should be considered when planning lighting systems for the home. (18)
- (ii) Name and describe **one** modern energy efficient light fitting. (12)

or

1.(c) People may have different housing requirements depending on family and economic circumstances.

- (i) Discuss how the housing requirements of a family with young children may differ from that of a retired person living alone. (18)
- (ii) State **three** advantages of buying a home of your own. (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) Casual, front-zipped jacket with fur-lined, drawstring hood and two pockets.



- (i) Evaluate the design of the jacket shown in the diagram above.
Refer to:
- function (use)
 - comfort when wearing
 - aesthetic appeal. (12)
- (ii) Sketch and describe a trousers / pants that is popular with teenagers which would be suitable to wear with the jacket. (7)
- (iii) Suggest **one** fabric suitable for the jacket, giving a reason for your choice. (6)

and

2.(b) Natural fabrics are frequently used by fashion designers.

- (i) Write a profile of a natural fabric under **each** of the following headings:
- fibre production
 - fabric construction technique. (9)
- (ii) Name and describe **one** colour application method suitable for the fabric. (6)

or

2.(c) Commercial patterns are available in a wide variety of styles and sizes.

- (i) Explain **three** factors that should be considered when selecting commercial patterns. (9)
- (ii) Name **two** important pieces of information found on the pattern envelope. (6)

Elective 3 – Social Studies (80 marks)

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

3.(a) **‘Between 1991 and 2006 the population in rural Ireland increased by 9% but the greater number of people still live in urban areas.’** *(Rural Economy Research Centre)*

- (i) Why, in your opinion, has there been an increase in the number of people living in rural areas between 1991 and 2006? (15)
- (ii) Identify and elaborate on some of the reasons why a greater number of people in Ireland live in urban areas. (15)
- (iii) Discuss the impact of (a) social change and (b) economic change on family life. (20)

and

3.(b) **‘Many aspects of a person’s life are affected and influenced by the work that they do.’**

- (i) Discuss **three** factors that influence a person’s attitude to work. (18)
- (ii) Explain how a low level of job satisfaction might affect the individual. (12)

or

3.(c) **‘Poverty is more than not having enough money for material things.’**

(Combat Poverty)

- (i) Give an account of the reasons why poverty continues to be a feature of Irish society. (18)
- (ii) Name and give details of **one** voluntary initiative which helps to alleviate the effects of poverty in the community. (12)

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