

Write your Examination Number here

--

2007. M. 47



# Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2007

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

ORDINARY LEVEL

CENTRE STAMP

FRIDAY, 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 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. Name **three** sources of protein under **each** of the following headings: (6)

High Biological Value Protein (HBV)	Low Biological Value Protein (LBV)

2. (a) List the **three** elements found in carbohydrates. (6)

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

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

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

- (b) In relation to the digestion of carbohydrates, indicate with a tick (✓) whether **each** of the following statements is true **or** false.

Digestion of Carbohydrates	True	False
Starch is changed to maltose in the mouth		
Carbohydrate digestion takes place in the stomach		
Intestinal juice contains sucrase		

3. (a) State **one** function of iron in the body. (6)

\_\_\_\_\_

- (b) List **two** good dietary sources of iron.

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

4. State **two** specific dietary requirements of a lacto-vegetarian diet. (6)

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

\_\_\_\_\_

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

\_\_\_\_\_

5. In relation to the wheat grain, explain **two** of the following: (6)

(i) **Endosperm** \_\_\_\_\_

\_\_\_\_\_

(ii) **Germ** \_\_\_\_\_

\_\_\_\_\_

(iii) **Bran** \_\_\_\_\_

\_\_\_\_\_

6. (a) Name **one** diet-related condition that commonly affects elderly people. (6)

\_\_\_\_\_

(b) State **one** cause of this condition.

\_\_\_\_\_

7. Name a **different method** of preservation suitable for **each** of the following vegetables: (6)

<i>Vegetable</i>	<i>Method of preservation</i>
Carrots	
Whole Tomatoes	
Onions	

8. Give **one** recommendation under **each** of the following headings in relation to safe food preparation. (6)

(i) **Personal hygiene** \_\_\_\_\_

\_\_\_\_\_

(ii) **Kitchen hygiene** \_\_\_\_\_

\_\_\_\_\_

(iii) **Food hygiene** \_\_\_\_\_

\_\_\_\_\_

9. (a) Name **one** statutory organisation and **one** voluntary organisation that works to protect the consumer. (6)

<b>Statutory organisation</b>	
<b>Voluntary organisation</b>	

(b) Complete the following sentence:

A guarantee is a contract between the \_\_\_\_\_ and the \_\_\_\_\_.

10. Explain **each** of the following: (6)

(i) **Gross income** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(ii) **Net income** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

11. Explain **each** of the following fabric properties: (6)

(i) *Absorbent* \_\_\_\_\_

\_\_\_\_\_

(ii) *Colourfast* \_\_\_\_\_

\_\_\_\_\_

(iii) *Flammable* \_\_\_\_\_

\_\_\_\_\_

12. In relation to budgeting explain and give an example of **each** of the following: (6)

*Essential expenditure* \_\_\_\_\_

\_\_\_\_\_

*Example* \_\_\_\_\_

*Discretionary expenditure* \_\_\_\_\_

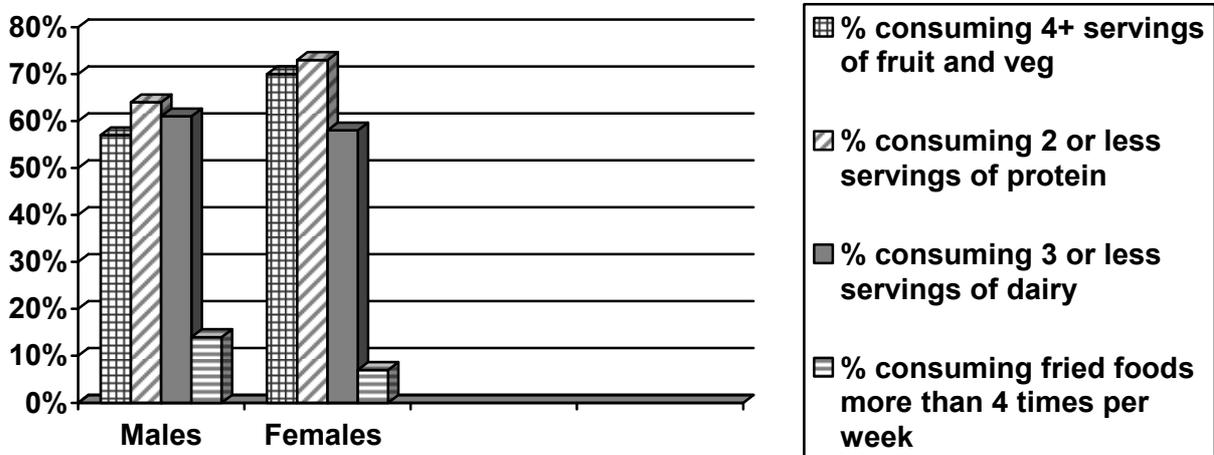
\_\_\_\_\_

*Example* \_\_\_\_\_

## 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 chart below provides information on the eating habits of males and females in Ireland.



*(Source: The National Health & Lifestyle Surveys. – 1999).*

- (a) Using the information provided on the chart
- (i) identify **three** differences in the eating habits of males and females
  - (ii) state, giving reasons, whether males or females have a healthier diet. (24)
- (b) It is recommended that consumers choose three servings a day from the milk, cheese and yoghurt food group. State **two** reasons for this recommendation. (10)
- (c) Give an account of protein under **each** of the following headings:
- (i) composition
  - (ii) functions in the body
  - (iii) properties. (26)
- (d) Describe **four** ways the consumer can play a role in waste management when selecting and purchasing food commodities. (20)

2. **‘The number of obese children in the EU is predicted to reach 6.4 million by 2010 if current trends continue - new research from the International Association for the Study of Obesity indicates.’**  
*(Easy Food, April/May 2006).*
- (a) Comment on the above statement and state **three** causes of obesity in children. (12)
  - (b) Give details of **two** health risks associated with childhood obesity. (8)
  - (c) Having regard to current healthy eating guidelines, plan a menu (3 meals) for **one** day for a family with young children. (18)
  - (d) Outline **four** factors that determine a person’s energy requirements. (12)
3. **Developments in technology have led to an increased range of microwave cookers on the market.**
- (a) Set out the results of a study you have carried out on microwave cookers.  
Refer to:
    - (i) the different types of microwave cookers available
    - (ii) the factors to be considered when selecting a microwave cooker
    - (iii) guidelines for use
    - (iv) modern features. (38)
  - (b) State how the Sale of Goods and Supply of Services Act (1980) protects the interests of consumers. (12)

4. **Consumers are presented with an increasing range of goods and services. As a result, it can be difficult to make informed choices.**

(a) Discuss how any **four** of the following might affect consumers' decision making when choosing goods and services:

- (i) advertising
- (ii) household income
- (iii) discount offers
- (iv) shopper loyalty schemes
- (v) easy pay schemes.

(32)

(b) State the advantages and the disadvantages of **one** of the following:

- (i) mail order shopping **or** (ii) internet shopping.

(18)

5. **'Adolescence is the time between the ages of 10 and 18 when your thinking, your feelings and your body are changing'.**

( 'Ready, Steady, Grow' by Angela MacNamara).

(a) Identify **two** factors, outside the family, which may influence a teenager's behaviour.

(8)

(b) Discuss: (i) **three** aspects of adolescent behaviour that may lead to conflict between parents / other adults and teenagers

(ii) **three** ways of dealing with conflict.

(30)

(c) Each family member has a role and a number of responsibilities within the the family unit.

Describe **one** role and **two** responsibilities of teenagers / adolescents.

(12)

## 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) Mark and Emma have recently purchased a 2-bedroomed bungalow in a large town. The bungalow consists of a small kitchen, a bathroom, a large sitting room and two bedrooms. It has no heating system and little insulation.
- (i) Name and describe the central heating system that you would recommend for this house. Give **two** reasons for your recommendation. (22)
- (ii) Identify an area of the bungalow that should be insulated. Give details of the type of insulation that could be used. (12)
- (iii) Outline **four** factors that Mark and Emma should take into consideration when selecting furniture for the bungalow. (16)

**and**

1. (b) (i) Give an account of **three** different factors that influence the interior design of a house. (18)
- (ii) Texture in an important element of design. Give **two** examples of the use of smooth textures and **two** examples of the use of rough textures in interior design. (12)

**or**

1. (c) (i) Explain the importance of good ventilation. (12)
- (ii) Name **one** natural method and **one** artificial method of ventilating a home. Describe **one** of the methods named. (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) You are about to start work in a local office where you will be dealing with the public and are expected to dress appropriately.
- (i) Sketch and describe the outfit you would consider suitable. (10)
- (ii) State how the design of the outfit takes account of:
- comfort
  - aesthetic appeal (appearance)
  - current fashion trends. (9)
- (iii) Suggest one fabric suitable for this outfit giving reasons for your choice. (6)

**and**

2. (b) Modern fabrics are given a variety of treatments during manufacture.
- (i) Explain why fabric finishes are used when manufacturing fabrics. (9)
- (ii) Name and describe one type of fabric finish. (6)

**or**

2. (c) (i) Describe the role played by small businesses in the design / manufacture of clothing in Ireland. (9)
- (ii) Explain why there has been a major decrease in the number of people employed in the clothing and textile industry since the 1990s. (6)

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

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

3. (a) Ireland has undergone many social and economic changes in the past few decades. These changes have had an impact on family life.’

*(The Central Statistics Office 2005).*

- (i) Discuss how social and economic change has affected family life. Refer to **each** of the following:
- changing attitudes to marriage
  - traditional roles within the family
  - employment opportunities
  - improvements in the provision of education. (32)
- (ii) Give a brief account of **three** different payments provided by the Department of Social and Family Affairs to families with children. (18)

**and**

3. (b) ‘The proportion of people at risk of poverty in Ireland was one of the highest in the EU in 2004.’

*(Measuring Ireland’s Progress 2005 from CSO).*

- (i) Identify **three** groups of people most at risk of poverty in Ireland today. Explain why the groups named are affected by poverty. (22)
- (ii) State the role of the *Combat Poverty Agency*. (8)

**or**

3. (c) Voluntary workers play a major role in today’s community.

- (i) Discuss the benefits of voluntary work to:
- the individual and
  - the community. (20)
- (ii) Explain the difference between paid work and unpaid work. (10)

**Blank Page**