

Write your Examination Number here

--

2012. M 47



Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2012

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

ORDINARY LEVEL

CENTRE STAMP

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

Protein	True	False
Proteins are large molecules made up of smaller units called amino acids.		
Albumin is the protein found in egg white.		
Peas, beans and lentils are examples of high biological value protein foods.		

2. Complete the following statements in relation to the properties of starch using the words listed below. (6)

insoluble, gelatinisation, hygroscopic

Starch can absorb moisture from the air because it is _____.

When starch is heated, it swells, bursts and absorbs the liquid in a process known as _____.

Starch is _____ in cold water.

3. List **three** biological functions of water. (6)

(i) _____

(ii) _____

(iii) _____

4. What is meant by the term *anaemia*? (6)

List **two** sources of haem-iron.

(i) _____ (ii) _____

5. Name **two** food sources of **each** of the nutrients listed below suitable for a vegetarian. (6)

Nutrient	Source 1	Source 2
Protein		
Calcium		
Vitamin B		

6. Name **three** classes of fruit and give **one** example of each class. (6)

Class of Fruit	Example
1.	1.
2.	2.
3.	3.

7. Explain the term *food additive*. (6)

State **two** disadvantages of using additives in food.

(i) _____

(ii) _____

8. Give **two** reasons why food production in small businesses and home enterprises is increasing. (6)

(i) _____

(ii) _____

Name **two** major Irish food exports.

(i) _____ (ii) _____

9. Explain the term *PRSI*. (6)

State **two** benefits of PRSI to the individual.

(i) _____

(ii) _____

10. Listed below are six properties of textiles. Tick (✓) **three** properties required when choosing textiles for household use. (6)

Properties	Tick (✓)
Durable	
Colourfast	
Irritant	
Windproof	
Flammable	
Absorbent	

11. Name **one** renewable energy source and **one** non-renewable energy source. (6)

Renewable Energy Source	Non-renewable Energy Source

State **two** different methods of reducing energy consumption in the home.

(i) _____

(ii) _____

12. Identify **two** factors that influence consumer choice when purchasing goods and services. (6)

(i) _____

(ii) _____

Name **one** statutory body concerned with consumer protection.

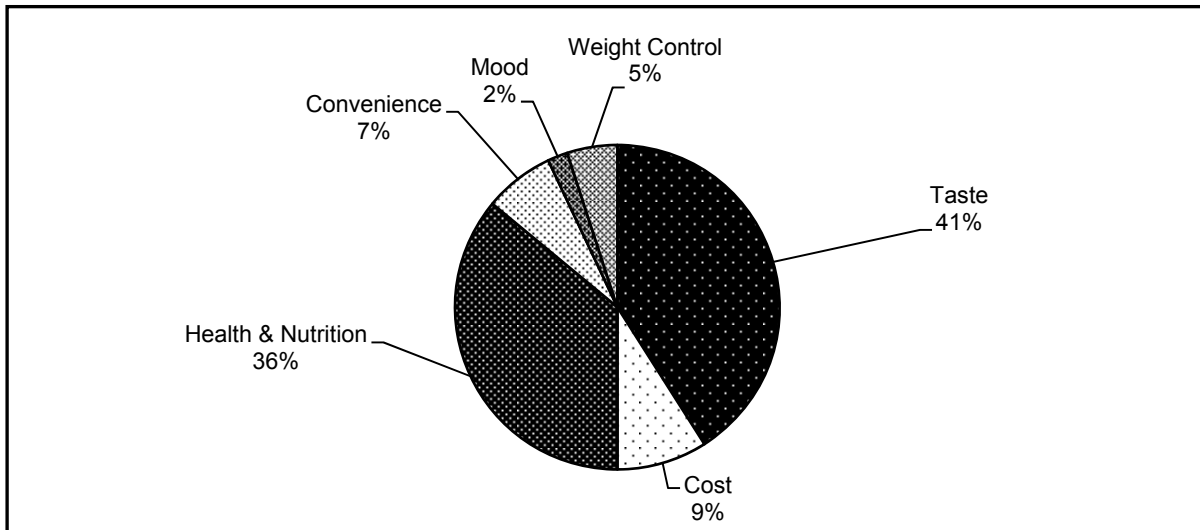
Statutory Body _____

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 Adult Nutritional Survey (2011) asked participants to rank in order of importance to them six factors which affect food choice. The results are presented below.
(Irish Universities Nutrition Alliance)



- (a) Using the information presented in the chart above comment and elaborate on the six factors which affect a person's choice of food. (24)
- (b) Give an account of vitamin C under each of the following headings: (24)
- main food sources
 - biological functions
 - effect of deficiency
 - role in mineral absorption.
- (c) Identify ways of retaining Vitamin C when (i) preparing and (ii) cooking foods that have a high Vitamin C content. (12)
- (d) The following items of information are generally included on food packaging. Explain the benefit to the consumer of each item. (20)
- list of ingredients
 - weight
 - nutritional information
 - best before date
 - country of origin.

2. **‘Cereals account for the major part of carbohydrate intake in the diet.’**
- (a) Identify the main sources of cereals in the Irish diet **and** state why some people avoid / limit their intake of cereals. (20)
 - (b) Give an account of the nutritive value of cereals. (15)
 - (c) Explain *food fortification*.
Comment on the increasing consumption of fortified food products. (15)
3. **Adolescence is a time of rapid growth and development.**
- (a) Outline **four** factors that affect the dietary requirements of adolescents. (16)
 - (b) Having regard to current healthy eating guidelines and the specific dietary needs of adolescents, plan a menu (3 meals) for **one** day for a family with teenagers. (18)
 - (c) Discuss **four** changes in the eating patterns of Irish adolescents from the beginning of the twentieth century. (16)

4. 'Budgeting has become an ever more important household task in recessionary times.'
- (a) Discuss **four** of the principle guidelines that should be followed when drawing up a budget for a family. (20)
 - (b) Describe **four** different ways a consumer could reduce expenditure when managing the household budget. (12)
 - (c) Outline **three** reasons why it is important for a family to save money **and** name **two** saving schemes suitable for a low-income family. (18)
- 5.
- (a)
 - (i) Describe **four** functions of the modern family. (20)
 - (ii) Give **two** examples of how the state provides support to parents in carrying out these functions. (8)
 - (b) Outline **three** changes in modern society that has affected gender roles in the family. (12)
 - (c) Explain how the Family Law (Maintenance of Spouses and Children) Act, (1976) protects the family. (10)

Section C

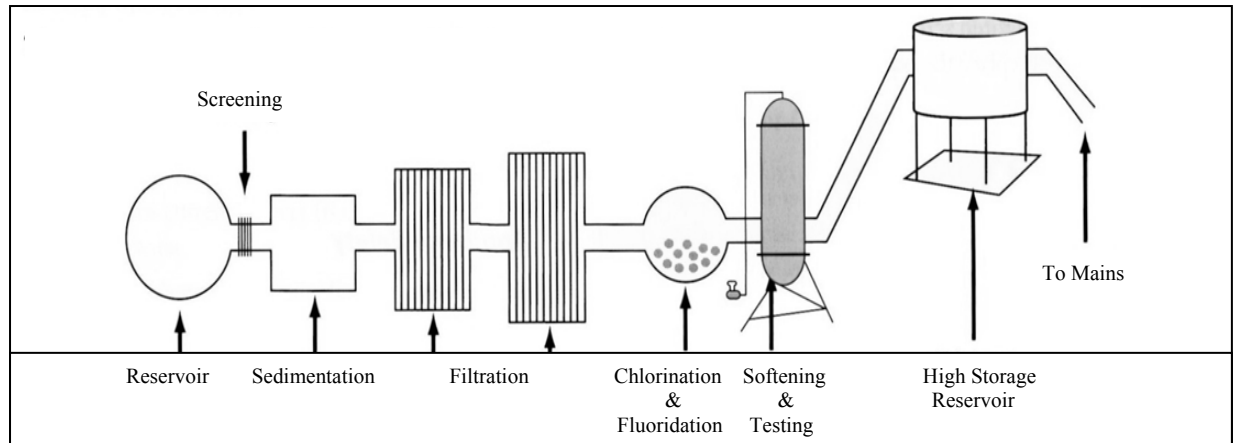
Answer one question from this section

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) The diagram below indicates the stages involved in the treatment of water before it enters the home.



- (i) Explain **four** of the stages involved in the treatment of water to make it safe for human consumption and domestic use. (20)
- (ii) In relation to the cold water supply system in a house, state the function of **each** of the following: (20)
- ball cock/valve
 - stop cock
 - overflow pipe
 - mains pipe.
- (iii) Describe **two** methods of reducing the amount of water used in the home. (10)

and

- 1.(b) ‘Planning permission is required for all building projects unless the type of development is exempt under planning regulations.’

- (i) Why is it necessary to obtain planning permission? (6)
- (ii) State the difference between outline and full planning permission **and** describe the procedure involved in obtaining full planning permission. (24)

or

- 1.(c) (i) Identify and discuss **three** factors that should be considered when planning the interior design of a house. (15)
- (ii) Give a brief account of **three** safety considerations that should be taken into account when planning and fitting out a family bathroom. (15)

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) Shown below is a traditional school uniform.



- (i) Comment on the suitability of the school uniform as shown above.
Refer to:
- function
 - shape
 - proportion. (12)
- (ii) Suggest a suitable fibre for the school cardigan **and** give a reason for your choice. (6)
- (iii) Describe **one** method of applying a school crest. (7)

and

2.(b) ‘The successful combination of fashion and style is the main aim of the clothing industry.’

- (i) Name **one** Irish designer and comment on his/her contribution to the fashion industry. (6)
- (ii) Discuss the contribution of accessories to current fashion trends. (9)

or

2.(c) ‘A wide variety of commercial patterns are available to meet consumer needs.’

- (i) Identify **three** factors that should be considered when selecting commercial patterns. (6)
- (ii) List the stages that should be followed when laying out a pattern on fabric. (9)

Elective 3 - Social Studies (80 marks)

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

3.(a) ‘Social changes occur for a variety of reasons and have had a significant impact on family life in Ireland.’

- (i) Discuss **two** effects of **each** of the following on family life in Ireland:
- more people living in urban areas
 - changing attitudes to marriage
 - changing attitudes to parenting
 - improvements in the provision of social welfare. (40)
- (ii) Name **and** give details of **one** initiative that has helped maintain the population in rural areas. (10)

and

3.(b) ‘Work occupies a larger part of life than any other single activity.’

- (i) Identify **and** discuss **four** of the key reasons why people work. (20)
- (ii) Outline the protection provided by the Protection of Young Persons (Employment) Act, (1996). (10)

or

3.(c) ‘Improvement of student achievement has always been one of the main goals of education.’

- (i) Name **and** give details of **two** education programmes designed specifically to help retain young people in second level education. (18)
- (ii) State **two** benefits to the student of **each** programme named. (12)

Blank Page