

Write your Examination Number here

M. 48



**Coimisiún na Scrúdúithe Stáit
State Examinations Commission**

Leaving Certificate Examination

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

HIGHER LEVEL

SAMPLE EXAMINATION PAPER

TIME – 2 HOURS 30 MINUTES

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** question from this section to include **Part A** and either **Part B or Part C** of the selected question.
Questions **1** and **3** are worth **80** marks each.
Question **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.
Write your answers in the spaces provided.**

1. (a) List **four** properties of starch. (4)

(i) _____

(ii) _____

(iii) _____

(iv) _____

(b) Name **two** non-starch polysaccharides. (2)

(i) _____ (ii) _____

2. Complete the following in relation to the digestion of protein. (6)

<i>Digestive Gland</i>	<i>Secretion</i>	<i>Enzymes</i>	<i>Substrates</i>	<i>Products</i>
Stomach	Gastric juice			

3. (a) Name **two** non haem sources of iron in the diet. (2)

(i) _____ (ii) _____

(b) State **two** factors that assist the absorption of iron. (4)

(i) _____

(ii) _____

4. (a) What factors should be considered when determining the daily energy requirement for a pregnant woman? (4)

(i) _____

(ii) _____

(iii) _____

(iv) _____

(b) Explain the term *Basal Metabolic Rate* (2)

5. Name and describe the **two** forms of diabetes. (6)

name _____

description _____

name _____

description _____

6. (a) Identify **two** ways of controlling the growth of micro-organisms in food. (2)

(i) _____

(ii) _____

(b) Give an example of the effects of enzymic action in (i) food spoilage **and** (ii) food preparation. (4)

food preparation _____

food spoilage _____

7. (a) Name **three** nutrients present in egg white. (3)

(b) List **three** properties of eggs relevant to food preparation and cooking. (3)

(i) _____

(ii) _____

(iii) _____

8. (a) Name the organisation responsible for enforcement of the Food Hygiene Regulations (1950-89). (3)

(b) Identify **three** key areas controlled by these regulations. (3)

(i) _____

(ii) _____

(iii) _____

9. Explain and give **one** example of each of the following:
(a) Social insurance benefit (3)

example _____

(b) Social assistance payment (3)

example _____

10. State the function of **each** of the following parts of a microwave cooker: (2)

(a) the transformer

(b) the magnetron (2)

(c) the wave stirrer (2)

11. Identify **two** properties that are important to consider when caring for a fabric. State the reason in each case. (6)

property _____

reason _____

property _____

reason _____

12. (a) Name **two** statutory bodies concerned with consumer protection. (4)

(i) _____

(ii) _____

(b) State the function of Citizen Information Centres. (2)

Section B

Candidates are required to answer **Question 1** and **any two other questions** from this section.

Question 1 is worth 80 marks.

Questions 2, 3, 4 and 5 are worth 50 marks each.

1. When evaluating the fat content of a food product, the consumer should consider **the type** and **the quantity** of fat present in the food.

Distribution of Fatty acids in Food Products

<i>Food Products</i>	<i>Polyunsaturated fatty acids</i>	<i>Monounsaturated fatty acids</i>	<i>Saturated fatty acids</i>
Vegetables Oils and Shortening			
Sunflower Oil	66%	20%	10%
Olive Oil	8%	74%	13%
Soft tub margarine	31%	47%	17%
Animal fats			
Tuna fish	37%	26%	27%
Chicken fat	21%	45%	30%
Lard	11%	45%	40%
Butter	4%	29%	62%

- (a) Using the information provided in the table and having regard to the recommended guidelines for healthy eating, recommend **one** vegetable fat source and **one** animal fat for inclusion in the diet.
Give reasons for your choice in each case. (12)
- (b) Differentiate between (i) a saturated fatty acid, (ii) a monounsaturated fatty acid and (iii) a polyunsaturated fatty acid. (18)
- (c) Give an account of **two** properties of lipids that are important in food production. (10)
- (d) List **five** dietary guidelines that should be considered when planning meals for a person with coronary heart disease. (15)
- (e) Outline the importance of any **one** functional / processed food available that would be of benefit to a person with coronary heart disease. (5)
- (f) Explain how a person's food choices may be affected by (i) personal, (ii) educational and (iii) economic considerations. (20)

2. ***‘Prepared consumer foods represent the fastest growing export sector of the Irish food and drinks industry. Within this sector, convenience foods and other added value foods demonstrated the highest percentage of growth. The role played by small businesses particularly in relation to the production of Speciality Foods is key to this success’.***
(An Bord Bia)
- (a) Apart from prepared consumer foods list **five** other major Irish food exports. (5)
 - (b) Explain what is meant by a *Value Added Food*. (7)
 - (c) Profile a *Value Added Food* of your choice, explaining the stages of its production, packaging and labelling. (16)
 - (d) Outline why small businesses and home enterprises play a key role in the Irish food industry. (12)
 - (e) Name **two** small Irish food businesses and give examples of the range of foods produced by each. (10)
3. **Alan and Rachel are a newly married couple. They have a combined net income of 42,000 euro per annum. At present they are living in private rented accommodation and are planning to purchase their own home.**
- (a) List the routine expenses that Alan and Rachel should allow for when planning their budget. Include reference to essential and discretionary expenditure. (8)
 - (b) Give details of **one** type of savings scheme that you would recommend for this couple, giving reasons for your choice. (10)
 - (c) Give an account of the factors that should be considered by the couple before choosing a mortgage. (12)
 - (d) Identify **four** key conditions that have to be satisfied by the couple for mortgage purposes. (12)
 - (e) Name and evaluate **one** method of credit payment that may be chosen by the couple for the purchase of household furniture. (8)

4. **Mark, John and Paul are full time second year students at college and have decided to share a house or flat. John and Paul have part time jobs. Mark has a keen interest in sport and trains each evening using the college facilities. All three receive a full maintenance grant and tuition fees are paid. To enable the household to operate efficiently a management system is required.**

- (a) Identify and describe the **three** basic components of management. (15)
- (b) List the factors that affect management and explain any **two** in detail. (12)
- (c) What resources will Mark, John and Paul require in managing their new living situation? (8)
- (d) Identify how the students' choice of accommodation may be influenced by personal, social and economic considerations. (15)

5. **Marriage can be described as a legally binding union between a man and a woman with monogamy forming the basis of what is legally accepted under Irish law. However across the world a variety of cultural variations exist in relation to marital arrangements.**

- (a) Describe some of the cultural variations that exist in relation to marital arrangements in society. (15)
- (b) Outline **four** conditions that are necessary to make a marriage legally valid in Ireland. (12)
- (c) Summarise the legal rights and responsibilities of marriage partners. (12)
- (d) Outline: (i) why it is important to make a will and (ii) the procedure for making a will. (11)

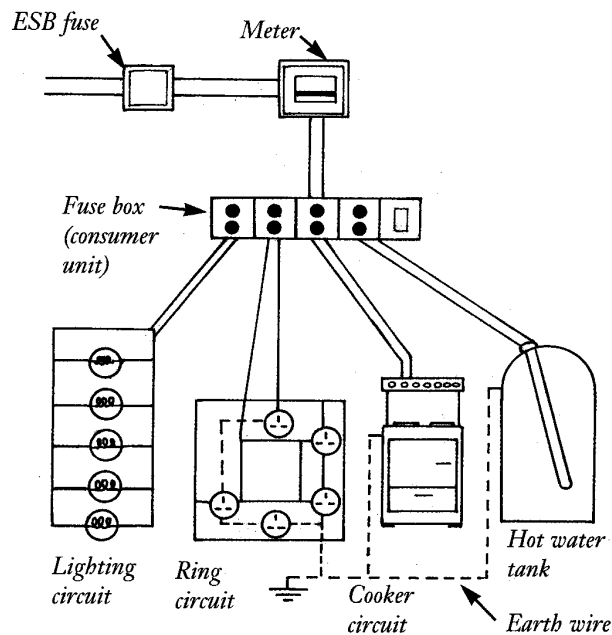
Section C

Candidates are required to answer **one** question from this section. Candidates are required to answer **Part A** and either **Part B** or **Part C** of the selected question.

Elective 1 - Home Design and Management (80 marks)

- 1.(a) Electricity is the most widely used energy source in domestic houses. Every consumer should have a knowledge of the basic principles associated with the safe use of electricity as misuse can lead to serious accidents.

The diagram below shows a household electrical system.



- (i) Describe the structure of the ring circuit. (12)
- (ii) The consumer unit (fuse box) shows a number of fuses. The fuse for the cooker circuit is 35 amps while the fuse for the immersion heater circuit is 20 amps. Explain the term *ampere* (amp) and state why the circuits referred to require fuses with different ratings. (7)
- (iii) Most modern consumer units have miniature circuit breakers (MCBs). Explain the function of an MCB. (6)
- (iv) In relation to electrical safety explain each of the following: (12)
 - (a) conductors;
 - (b) earthing;
 - (c) double insulated.
- (v) (a) Give **two** examples of renewable energy sources used to generate electricity in Ireland. (13)
 - (b) State why renewable energy should be the preferred option for use.

and

- 1.(b) Evaluate social housing provision in Ireland today. (18)
Outline the housing requirements for a retired elderly person with mobility difficulties. (12)

or

- 1.(c) Discuss ways of maximising the level of natural lighting in a house. (12)
Describe **three** properties of light and in relation to each give an example of its application in home lighting. (18)

Elective 2 - Textiles, Fashion and Design (40 marks)

- 2.(a) (i) **The application of the elements and principles of design is an important factor to consider when designing clothing.**

Sketch a garment of your choice that reflects current trends in fashion and explain how **three** elements of design have been applied in the design of the garment. (12)

- (ii) Despite the development of a wide range of new fabrics, natural fibres remain popular with Irish designers. Write up a profile of a natural fabric using the following headings:
- fibre composition;
 - fabric construction technique;
 - fabric properties;
 - details of one test that could be used to identify the fibre. (13)

and

- 2.(b) Give an overview of the structure of the Irish clothing industry and include reference to the contribution of small businesses to the industry. (15)

or

- 2.(c) Evaluate the use of the following pattern markings when making a garment in order to ensure a good quality finish:
- balance marks;
 - straight grain line. (6)
- Describe, with the aid of a diagram, how you would carry out **one** modification to a commercial pattern. (9)

Elective 3 - Social Studies (80 marks)

3.(a) The main priority of the government's National Anti-Poverty Strategy (NAPS) is to decrease the numbers experiencing basic deprivation to below 5% by 2004.

"People are living in poverty if their income and resources (material, cultural and social) are so inadequate as to preclude them from having a standard of living that is regarded as acceptable by Irish society generally" (NAPS 1997).

- (i) Analyse the relationship between material, cultural and the social resources, as referred to in the above statement, and poverty. (24)
- (ii) Describe the possible difficulties that people, who get caught in the cycle of poverty, might experience. (12)
- (iii) Give details of **two** measures that could be implemented by the government in order to reduce the levels of poverty in Ireland. (14)

and

- 3.(b)**
- (i) Differentiate between (a) primary industries, (b) secondary industries and (c) service industries. (12)
 - (ii) Comment on the employment opportunities available in each sector. (6)
 - (iii) Enumerate the changes in (a) work opportunities and (b) working conditions in the present day work environment. (12)

or

3.(c) The long-term unemployed, young people under eighteen and people receiving disability allowances are among the groups identified as having greatest difficulty in securing employment.

- (i) Discuss the reasons for high unemployment levels among each of the **three** groups mentioned above. (18)
- (ii) Name and give details of **one** statutory scheme provided to create employment. (12)