

Write your Examination Number here

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2018. M47



# Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2018

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

ORDINARY LEVEL

<b>CENTRE STAMP</b>

WEDNESDAY, 6 JUNE – AFTERNOON 2:00 to 4:30

280/320 MARKS

## *Instructions to Candidates*

**Section A** There are **twelve questions** in this section.  
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.  
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.  
Answer **one** elective question, to include **part (a)** and either **part (b) or part (c)**.  
If you submitted *Textiles, Fashion and Design* coursework for examination, you 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. Indicate with a tick (✓) whether **each** of the following statements is true or false. (6)

	True	False
Iron is essential for the manufacture of haemoglobin in the blood.		
Anaemia is caused by lack of iron in the diet.		
A diet rich in fibre assists the absorption of iron.		

2. Using the words listed below, complete the following statements in relation to vitamins. (6)

*vitamin B*

*folic acid*

*vitamin K*

The primary function of \_\_\_\_\_ is to assist blood clotting.

\_\_\_\_\_ is necessary for the release of energy from carbohydrate and fat.

Neural tube defects in the unborn baby may be prevented by pregnant women

taking \_\_\_\_\_.

3. Outline **two** ways finance (money available) affects food choices among Irish consumers. (6)

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

\_\_\_\_\_

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

\_\_\_\_\_

4. Match **each** of the sources of lipids (fats) listed below with the correct food. (6)

*animal*

*marine*

*vegetable (plant)*

Food	Source of Lipids
Salmon	
Olive Oil	
Butter	

5. Identify **three** health problems that are caused by a diet high in sugar. (6)

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

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

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

6. Explain why **each** of the following is important in safe food preparation and cooking: (6)

Food storage \_\_\_\_\_

\_\_\_\_\_

Personal hygiene \_\_\_\_\_

\_\_\_\_\_

Reheating procedures \_\_\_\_\_

\_\_\_\_\_

7. Indicate with a tick (✓) whether **each** of the following statements is true or false. (6)

	True	False
Sugar is used as a preservative when making jam.		
Quick freezing results in the formation of large ice crystals within the food cell.		
Chutney is made by boiling fruit and / or vegetables with sugar, vinegar and spices.		

8. Using the words listed below, complete the following statements in relation to food spoilage and food production. (6)

***bacteria***      ***yeast***      ***enzymes***

Cheese and yoghurt are produced using \_\_\_\_\_.

\_\_\_\_\_ cause food spoilage in fruit and vegetables.

The biological raising agent used in bread making is \_\_\_\_\_.

9. Outline **three** steps that should be followed when planning a household budget. (6)

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

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

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

10. Give **one** advantage and **one** disadvantage of buying goods on credit. (6)

Advantage \_\_\_\_\_

\_\_\_\_\_

Disadvantage \_\_\_\_\_

\_\_\_\_\_

Name **two** types of credit available to consumers when buying a car.

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

11. Explain **each** of the textile care symbols shown below. (6)



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

12. State **three** ways technology has contributed to greater efficiency in the home. (6)

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

## 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. Dietary protein is one of the essential nutrients that we must eat every day.

The table below shows the ingredients and nutritional information (per 100 g), of a pre-prepared Beef Lasagne.

Pre-prepared Beef Lasagne		
Ingredients	Nutritional Information (per 100 g)	
Chopped tomatoes, beef mince, lasagne sheets, milk, cheese, butter, tomato purée, water, onion, carrot, garlic, celery, sugar, olive oil, salt, pepper, beef stock, basil.	Energy	121 kcal
	Protein	6.8 g
	Fats	5.1 g
	Carbohydrate	12.6 g
	of which sugars	3.1 g
	Fibre	1.0 g
	Salt	0.5 g

- (a) (i) Using the information presented in the table above and having regard to current healthy eating guidelines, evaluate the nutritional value of the pre-prepared beef lasagne. (20)
- (ii) Suggest **one** suitable accompaniment that could be served with beef lasagne. Give a reason for your choice. (5)
- (b) Give an account of protein under **each** of the following headings:
- classification
  - dietary sources
  - functions in the body. (26)
- (c) Outline **three** effects of heat on protein foods. (9)
- (d) Shopping online for food has become very popular.  
Discuss **two** advantages **and two** disadvantages of shopping online for groceries (food items). (20)

2. 'At present it is estimated that 300,000 people in Ireland have osteoporosis.'  
([www.irishosteoporosis.ie](http://www.irishosteoporosis.ie))
- (a) Discuss:
- (i) the causes of osteoporosis
  - (ii) the effects of osteoporosis on the body. (20)
- (b) Having regard to current healthy eating guidelines, set out a menu (3 meals) for one day for a person with osteoporosis. (18)
- (c) Give details of **three** dietary and / or lifestyle changes that will help prevent osteoporosis. (12)
3. Cereals are the staple food of many countries.
- (a) Give an account of (i) the nutritive value **and** (ii) the dietetic value of cereals. (20)
- (b) List **three** cereals.  
Name a different product made from **each** of the cereals listed. (12)
- (c) In relation to cereals:
- (i) explain the difference between white (plain / cream) flour **and** wholemeal flour
  - (ii) outline **three** guidelines to consider when storing cereal products. (18)

4. Seán and Áine bought a television in a sale. When they unpacked the television, they found the screen was broken. They returned the television to the shop and were refused a refund.
- (a) In your opinion, was the shop entitled to refuse a refund to Seán and Áine?  
Give reasons for your answer. (15)
- (b) (i) Name **one** reliable source of consumer advice available to Seán and Áine.
- (ii) Outline the procedure for making a complaint when a problem occurs. (20)
- (c) Explain **three** benefits of the Small Claims Court to the consumer. (15)
5. Each family member has many roles and responsibilities within the family.
- (a) Discuss **four** ways older people (grandparent/s) provide support for other members of the family. (20)
- (b) Describe **three** ways older people can maintain (keep) their independence. (15)
- (c) Explain *generation conflict*.  
Outline **two** ways of dealing with generation conflict. (15)



## Section C

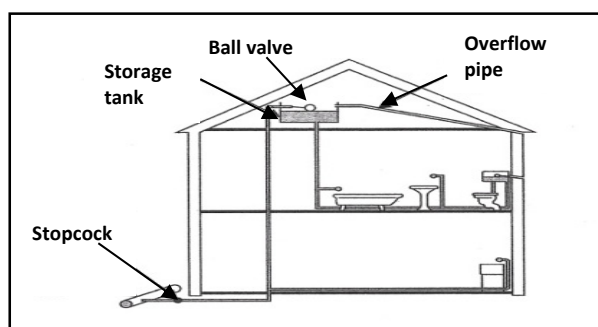
Answer **one elective question** from this section.  
If you submitted *Textiles, Fashion and Design* coursework for examination,  
you may **only** attempt **Question 2** from this section.

### 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)** 'We value water as a precious natural resource on which the quality of life depends.'

([www.engineersireland.ie](http://www.engineersireland.ie))



- (i)** Explain the function of the following parts of the cold-water system shown above:

- stopcock
- ball valve (ballcock)
- overflow pipe.

(18)

- (ii)** Describe **each** of the following stages in the water treatment process:

**(a)** screening    **(b)** chlorination    **(c)** fluoridation    **(d)** testing.

(16)

- (iii)** Outline **four** ways of conserving water in the home.

(16)

**and**

- 1.(b)** Proximity to local amenities can add value to a house.

- (i)** Discuss the benefits of **three** local amenities for families with young children.

(15)

- (ii)** Give **three** reasons why renting a house is a more popular choice than buying for some people.

(15)

**or**

- 1.(c)** **(i)** Outline **three** factors that a student should consider when selecting furniture for a bedroom.

(15)

- (ii)** Identify **and** describe **three** items of storage furniture suitable for a student's rented accommodation.

(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)** 'A school uniform can play a crucial role in establishing and maintaining the school identity.'  
([www.oireachtas.ie](http://www.oireachtas.ie))



([www.aldi.ie](http://www.aldi.ie))

- (i)** Comment on the suitability of the uniforms as shown above for primary school students. Refer to:
- function
  - comfort
  - aesthetic appeal.
- (18)
- (ii)** Suggest **two** methods that could be used to apply a crest to the uniform. (7)

**and**

- 2.(b)** Modern fabrics have a variety of finishes applied to them during manufacture.

- (i)** Explain why fabric finishes are used on fabric. (9)
- (ii)** Name **and** describe **one** fabric finish. (6)

**or**

- 2.(c)** 'A new season means new fashion.' ([www.stellar.ie](http://www.stellar.ie))

- (i)** Outline **three** factors that influence fashion changes. (9)
- (ii)** Describe **two** challenges (difficulties) affecting the growth of the Irish clothing industry. (6)

## Elective 3 - Social Studies (80 marks)

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

- 3.(a)** 'Youth unemployment across Europe remains far too high.' (Irish Examiner, 2017)
- (i) Define *unemployment*. (6)
- (ii) Outline the effects of unemployment on:
- the young adult
  - the family
  - society. (24)
- (iii) Discuss the importance of an educational qualification for young people. (8)
- (iv) Name **and** give details of **one** programme / course designed to train and upskill the unemployed. (12)
- and**
- 3.(b)** 'Empowering women in the workplace is a win-win for us all.' (Irish Independent, 2017)
- (i) Explain **three** reasons why there is an increase in the number of women in the workplace. (15)
- (ii) Outline the advantages **and** the disadvantages for family life of dual-earners (both parents working). (15)
- or**
- 3.(c)** 'Almost two-thirds of the population are now living in urban areas.'  
(The Irish Times, 2017)
- (i) Discuss **three** reasons why more people live in urban areas. (15)
- (ii) Explain **three** ways that migration (moving) from rural to urban areas has impacted on life in rural areas. (15)

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