

Write your Examination Number here

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2015. M47



Coimisiún na Scrúduithe Stáit State Examinations Commission

Leaving Certificate Examination, 2015

HOME ECONOMICS – SCIENTIFIC AND SOCIAL

ORDINARY LEVEL

CENTRE STAMP

WEDNESDAY, 3rd 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. Indicate with a tick (✓) whether **each** of the following statements is true or false. (6)

	True	False
Calcium causes weak bones and teeth.		
Calcium is required for blood clotting.		
Calcium is necessary for normal muscle contraction.		

2. Using the words listed below, complete the following statements in relation to the effect of heat on protein foods. (6)

maillard reaction, coagulate, opaque

Heat causes the protein in eggs to _____.

The non-enzymic browning of protein foods is called _____.

Fish flesh changes from translucent to _____ during cooking.

3. Outline **two** ways in which culture has an impact on the food choices of young people. (6)

(i) _____

(ii) _____

4. State **two** functions of Vitamin C. (6)

(i) _____

(ii) _____

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

(i) _____ (ii) _____

5. State **three** lifestyle changes recommended for people at risk of coronary heart disease. (6)

(i) _____

(ii) _____

(iii) _____

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

	True	False
Enzymes present in food cause it to decay.		
Chutney making is a method of preventing food spoilage.		
The Food Safety Authority of Ireland is responsible for promoting Irish food nationally and internationally.		

7. Match the types of cheese listed with their corresponding class. (6)

cheese slices, Parmesan, mozzarella

Classes of cheese	Type
Hard cheese	
Soft cheese	
Processed cheese	

8. List **two** desirable characteristics (qualities) of food packaging materials. (6)

(i) _____

(ii) _____

Name **two** materials used to package food.

(i) _____ (ii) _____

9. Using the words listed below, complete the following statements in relation to flame retardant finishes applied to textiles. (6)

self-extinguish, Proban, flammability

Flame retardant finishes reduce the _____ of a fabric.

_____ is a flame retardant finish.

Flame retardant finishes cause fabric to _____.

10. Name **two** types of credit available to consumers when buying household goods. (6)

(i) _____ (ii) _____

State the main advantage of **one** of the types of credit named.

11. Explain why loyalty schemes, used by retail outlets, encourage consumers to purchase goods. (6)

Name **one** shopper loyalty scheme.

12. Outline **two** consumer rights. (6)

(i) _____

(ii) _____

State the function of the Small Claims Procedure.

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. *'Iron deficiency remains a common condition in children, with research suggesting many negative effects on the developing child'.*

(Siobhan O'Sullivan, Dietician, Our Lady's Hospital, Crumlin.)

The table below shows the nutritional content of four different meats.

Meat	Protein	Fat	Calcium	Iron	Vitamins
Beef	18.1g	17.1g	7mg	1.9mg	B group
Chicken	24.8g	5.4g	9mg	0.8mg	B group
Liver	24.9g	13.7g	14mg	8.8mg	B group, C, D
Pork	15.8g	29.6g	8mg	0.8mg	B group

- (a) Why, in your opinion, is iron deficiency a common condition in children? (8)
- (b) Using the information provided in the table **and** having regard to current healthy eating guidelines comment on the nutritional value of the different meats named above. (24)
- (c) (i) Give an account of iron under **each** of the following headings:
- dietary sources
 - functions in the body
 - effect of deficiency.
- (ii) Name **one** nutrient that is necessary for the absorption of iron. (28)
- (d) Describe **four** ways that the weekly food bill can be reduced when selecting **and** buying fresh meat and meat products. (20)

2. **‘The obesity time bomb is no longer just ticking – it has exploded, as a nation we are getting fatter by the year’.** (*Irish Independent, October 2014*)
- (a) Discuss: **(i)** the causes of obesity **and (ii)** the health risks associated with obesity. (20)
 - (b) Having regard to current healthy eating guidelines, plan a menu (3 meals) for one day for a person who is obese. (18)
 - (c) Write an informative account of the changes in the Irish diet in the 21st century. (12)
3. **Low in calories and packed with goodness, fish is the perfect food.**
- (a) Give an account of **(i)** the nutritional value **and (ii)** the dietetic value of fish. (24)
 - (b) Name **three** different methods of cooking fish **and** explain how **one** of the cooking methods is carried out. (20)
 - (c) State the benefit of *Omega-3 Fatty Acids* in the diet. (6)

4. John and Barry are 1st year college students living in rented accommodation and plan to cook their main meal each day.

- (a) Set out the results of a study you have carried out on a small electrical household appliance which would assist John and Barry in carrying out food preparation tasks.

Refer to:

- type of appliance you would recommend and reason for choice
- factors to be considered when selecting the appliance
- guidelines for use. (26)

- (b) Suggest **one** method of payment that could be used to purchase the appliance **and** state why this method of payment would be suitable. (12)

- (c) Describe the procedure to be followed should a problem occur with the new household appliance. (12)

5. A world without a family would be a very different place, primarily because of the many functions it fulfils.

- (a) Discuss **each** of the following functions of the family:

- physical function
- emotional function
- educational function
- socialisation. (28)

- (b) Describe **two** ways of dealing with conflict within the family. (12)

- (c) Explain why good communication is important between family members. (10)

Section C

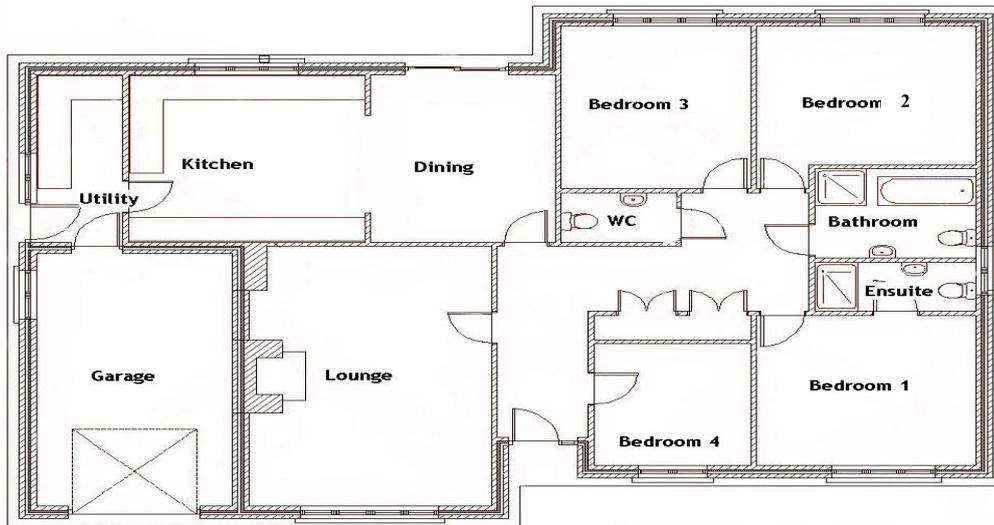
Answer one question from this section.

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) Sean and Julie have three young children and are planning to build a new house. The diagram below shows the floor plan for the house.



- (i) - Evaluate the suitability of this house plan for Sean, Julie and family.
- Suggest **two** modifications (changes) that could be made to the house plan in order to cater for family needs in the future. (25)
- (ii) Name **and** describe **three** professional services used when designing and building a new house. (18)
- (iii) Why is it necessary to obtain planning permission when building a house? (7)

and

- 1.(b) (i) Outline **three** factors to consider when choosing furniture. (12)
- (ii) Name and describe **two** items of storage furniture suitable for a modern living room. Give reasons for your choice. (18)

or

- 1.(c) A new system of domestic water charges is being introduced in Ireland for homes that are connected to a public water supply.

- (i) Describe **three** methods of conserving water in the home. (15)
- (ii) State the function of **each** of the following parts of the cold water supply to a domestic house: (i) stop cock, (ii) storage tank and (iii) overflow pipe. (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) Fashion trends for teenagers are quite similar to their adult counterparts, albeit with a more youthful flavour.

(i) Sketch **and** describe an outfit of your choice that reflects teenage fashion trends. (10)

(ii) Explain how the following elements of design have been applied in the design of the outfit:

- colour
- line
- shape. (15)

and

2.(b) Write a profile of a synthetic / manmade fabric under **each of the following headings:**

- fibre production
- properties
- fabric construction technique. (15)

or

2.(c) Commercial patterns are full scale tissue paper clothing patterns used when making garments.

(i) List **three** factors to consider when selecting a commercial pattern. (9)

(ii) State the importance of pressing a garment during construction. (6)

Elective 3 – Social Studies (80 marks)

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

- 3.(a) Despite success over recent years in raising the number of students who stay in school to do Leaving Certificate, the chart below shows that a significant number of students are dropping out of school at an early age. (*Irish Examiner, May 2013*)

2009 / 2010	Number of students who leave school early
1 st Year / 2 nd Year	1,500
3 rd Year	1,777
Transition Year	1,064
5 th Year / 6 th Year	3,299

- (i) Referring to the above chart, discuss **four** reasons why students drop out of school at an early age. (20)
- (ii) Give an account of **four** major factors that influence the educational achievement of students attending third-level. (20)
- (iii) Name **and** give details of **one** education initiative that helps to retain young people in school. (10)

and

- 3.(b) (i) Discuss the impact of **each** of the following on family life:
- changes in settlement patterns from rural to urban areas
 - reduction in working hours
 - improved conditions of work. (20)
- (ii) Explain how the rights of young people in part-time work are protected. (10)

or

- 3.(c) **Child care costs are a large financial outlay for working parents.**

- (i) Identify **and** describe **three** child care options that a family with young children could consider. (21)
- (ii) Name **and** give details of **one** social welfare support / benefit paid to families with children. (9)

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