



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Junior Certificate 2017

Marking Scheme

Home Economics

Ordinary Level

Note to teachers and students on the use of published marking schemes

Marking schemes published by the State Examinations Commission are not intended to be standalone documents. They are an essential resource for examiners who receive training in the correct interpretation and application of the scheme. This training involves, among other things, marking samples of student work and discussing the marks awarded, so as to clarify the correct application of the scheme. The work of examiners is subsequently monitored by Advising Examiners to ensure consistent and accurate application of the marking scheme. This process is overseen by the Chief Examiner, usually assisted by a Chief Advising Examiner. The Chief Examiner is the final authority regarding whether or not the marking scheme has been correctly applied to any piece of candidate work.

Marking schemes are working documents. While a draft marking scheme is prepared in advance of the examination, the scheme is not finalised until examiners have applied it to candidates' work and the feedback from all examiners has been collated and considered in light of the full range of responses of candidates, the overall level of difficulty of the examination and the need to maintain consistency in standards from year to year. This published document contains the finalised scheme, as it was applied to all candidates' work.

In the case of marking schemes that include model solutions or answers, it should be noted that these are not intended to be exhaustive. Variations and alternatives may also be acceptable. Examiners must consider all answers on their merits, and will have consulted with their Advising Examiners when in doubt.

Future Marking Schemes

Assumptions about future marking schemes on the basis of past schemes should be avoided. While the underlying assessment principles remain the same, the details of the marking of a particular type of question may change in the context of the contribution of that question to the overall examination in a given year. The Chief Examiner in any given year has the responsibility to determine how best to ensure the fair and accurate assessment of candidates' work and to ensure consistency in the standard of the assessment from year to year. Accordingly, aspects of the structure, detail and application of the marking scheme for a particular examination are subject to change from one year to the next without notice.

EXAM NUMBER

Total Mark



Coimisiún na Scrúduithe Stáit State Examinations Commission

JUNIOR CERTIFICATE EXAMINATION 2017

HOME ECONOMICS

ORDINARY LEVEL

THURSDAY 15 JUNE - MORNING 9.30-11.30

Total Marks 240

INSTRUCTIONS TO CANDIDATES

- SECTION A - 80 marks.
Answer 16 (sixteen) questions from Section A.

All questions carry equal marks.
- SECTION B - 160 marks.
Answer 4 (four) questions from Section B.
All questions carry equal marks.

CENTRE STAMP

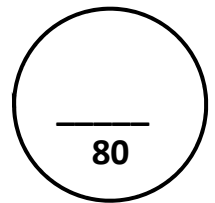
Answer the questions in the space provided

For examiner's use only

QUESTION	MARK
Section A (Total)	
Section B 1	
2	
3	
4	
5	
6	
TOTAL →	
GRADE →	

1. Total of end of page totals	
2. Aggregate total of disallowed question(s)	
3. Total mark awarded (1 minus 2)	
4. Bonus mark for answering through Irish (if applicable)	
5. Total mark awarded if Irish bonus (3 plus 4)	
Note: The mark in row 3 (or row 5 if an Irish bonus is awarded) must equal the mark in the Total Mark box above.	

SECTION A
80 marks



Answer 16 (sixteen) of the following questions. All questions carry equal marks.

1. List **two** sources of calcium in the diet.

(i) *milk, cheese, yoghurts, green vegetables*

(ii) *tinned fish, beans, bread etc*

5

2. Suggest **two** ways of reducing the intake of salt in the diet.

(i) *do not add during cooking, avoid foods high in salt, season with herbs/spices*

(ii) *choose fresh foods instead of processed foods, use low sodium alternatives etc*

5

3. Indicate with a tick [✓] whether **each** statement is true **or** false.

	True	False
(i) A convenience food is a food that has been processed.	✓	
(ii) A roux is a mixture of flour and eggs.		✓
(iii) Poaching is a dry method of cooking.		✓

5

4. Place **each** of the fish listed below under the correct heading:

mackerel cod crab plaice prawns

White fish	Oily fish	Shellfish
<i>cod</i>	<i>mackerel</i>	<i>crab</i>
<i>plaice</i>		<i>prawns</i>

5

5. List **three** changes that occur when food is cooked.

(i) *protein coagulates, flavours develop, bacteria are destroyed*

(ii) *food softens, loss of vitamin B & C, colour changes*

(iii) *food shrinks, fat melts, absorbs water etc*

5

6. What information does this symbol convey to the consumer?

Awarded by the EU to goods that have reached a high standard of safety, found on electrical goods/toys etc

Communauté Européenne



5

7. Indicate with a tick [✓] which statement is correct.

(i) Income tax is a voluntary deduction.

(ii) Wages refers to weekly payments.

(iii) Net income is the total amount earned before deductions.

5

8. Suggest **three** pieces of information that should be included when writing a letter of complaint about a faulty product.

(i) *customer name and address / company address, date,*

(ii) *details of the item bought, details of the complaint, copy of receipt,*

(iii) *details of action to be taken, etc*

5

9. List **three** ways a family can reduce the cost of their weekly food bill.

(i) *avail of special offers, choose own brand products, avoid waste,*

(ii) *shop around, shop in cheaper supermarkets,*

(iii) *choose cheaper cuts of meat, buy foods in season etc*

5

10. Indicate with a tick [✓] whether **each** statement is true **or** false.

	True	False
(i) The epidermis is a deep layer found in the skin.		✓
(ii) Smoking in cars with children present is illegal in Ireland.	✓	
(iii) Dentine is a space at the centre of the tooth, which contains the nerves and blood supply.		✓

5

11. Name **two** functions of the family.

- (i) *to provide for physical needs – food, clothes, warmth, safety*
- (ii) *intellectual needs, language, emotional, social needs, reproduction*

5

12. Give an example of how a teenager can be a positive role model for younger children.

- show respect for others, show respect for household rules,*
- behave in a socially acceptable way, participate in school etc*

5

13. Name **three** harmful effects of the sun.

- (i) *sunburn, blisters*
- (ii) *skin cancer,*
- (iii) *sun stroke, premature ageing, etc*

5

14. What information does this symbol convey to the consumer?

- Highly flammable – can burst into*
- flames easily*



5

15. Name **four** pieces of household cleaning equipment.

- (i) *brush, vacuum cleaner*
- (ii) *cloths, mop*
- (iii) *products- sprays, bleach etc.*
- (iv) *duster, etc.*

5

16. Give **two** examples of a small electrical appliance with a motor.

- (i) *hand whisk, blender, juicer*
- (ii) *electric knife, hair dryer etc.*

5

17. Indicate with a tick [✓] whether **each** statement is true or false.

	True	False
(i) Tacking is a permanent stitch used on the hem of clothes.		✓
(ii) Wool is an example of a man-made fibre.		✓
(iii) The washing instructions for a garment are found on the care label.	✓	

5

18. State **three** factors which influence our choice when buying clothes.

- (i) *cost, age, body shape, colour*
- (ii) *fashion trends, style,*
- (iii) *peers, culture, religion, weather etc.*

5

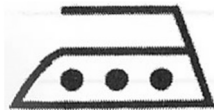
19. Give two examples of fashion accessories that are popular with teenagers.

- (i) *shoes, bags, hair bands, scarf*
- (ii) *belts, jewellery etc.*

5

20. What information do **each** of the following fabric care symbols give to the consumer?

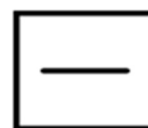
(i)



(i)

hot iron

(ii)



(ii)

dry flat

5

SECTION B
160 marks

40

Answer 4 (four) questions from this section. All questions carry equal marks.

1. **Composition of Cheddar Cheese**

Protein	Fat	Carbohydrates	Vitamins	Minerals	Water
27%	33%	0%	1% (A + B)	4% (Calcium)	35%

(a) Using the information given above, give **three** reasons why cheese should be included in a teenager's diet. (3x6) 18

- (i) *protein 27% - growth and repair of body cells etc*
- (ii) *fat 33% - protects delicate organs, insulation, as a source of fat soluble vitamins, heat and energy source.*
- (iii) *calcium 4% – strong bones and teeth etc.*

(b) Design a **two-course** dinner menu suitable for an active teenager that includes cheese.

Dinner Menu

*Expect first course and main course
or
main course and dessert*

must include cheese

Menu = 2x3
Format = 2
Cheese = 2

10

(c) Give **two** examples of processed cheese. (2x3)

- (i) *cheese slices, triangles*
 - (ii) *cheese strings, spreads, flavoured cheese etc*
- 6

(d) Name **two** effects of cooking on cheese. (2x3)





- (i) *fat melts, protein coagulates, destroys bacteria*
 - (ii) *less digestible, becomes rubbery etc.*
- 6

2. (a) List **three** guidelines to follow when baking at home. (3x2)

- (i) *weigh out ingredients accurately, collect all equipment, prepare tins*
- (ii) *preheat oven, arrange shelves, do not open door unnecessarily,*
- (iii) *follow recipe, time accurately etc.*

6

(b) Suggest a use for **each** piece of baking equipment. (4x4)

BAKING EQUIPMENT	Sieve	Pastry brush	Spatula	Flour dredger
				
USE	<i>Introduce air, remove lumps from flour</i>	<i>To glaze, give golden colour</i>	<i>Mixing/ spreading/ scraping mixture</i>	<i>To shake flour, icing sugar or cocoa on food or a surface</i>

16

(c) Give a method of modifying (changing) a fruit crumble recipe to follow **each** of the Healthy Eating Guidelines below. (3x4)

- (i) Reduce Fat *use a polyunsaturated spread / low fat margarine/ butter instead etc*
- (ii) Reduce Sugar *use artificial sweeteners, add dried fruit e.g. raisins etc*
- (iii) Increase Fibre *use wholemeal flour, add nuts or seeds etc.*

12

(d) Match the correct cake/bread from the list below to **each** baking method. (3x2)

sponge cake tea scones queen cakes

Baking Method	Cake/ Bread
Rub-in	<i>tea scones</i>
Creaming	<i>queen cakes</i>
Whisking	<i>sponge cake</i>

6

3. (a) What guidelines should a consumer follow when buying a mobile phone. **(3x3)**

40

(i) *shop around, consider cost, type/ style of phone*

(ii) *research package options, size, ease of use*

(iii) *phone features – camera, storage, battery etc.*

9

(b) Name **two** methods of paying for the mobile phone and suggest a different advantage for **each** method given. **Name of method 2x2 marks**
advantages 2x4 marks

12

Method of Payment	Advantage
(i) <i>cash</i>	(i) <i>less likely to overspend / get into debt</i>
(ii) <i>credit Laser/ debit card</i>	(ii) <i>convenient, easy to use, more secure can be tapped to use, don't carry large sums of money.</i>

(c) Explain why is it important to keep the receipt of purchase for the mobile phone?

As proof of purchase in case the mobile phone is faulty

4

(d) State **two** techniques used by shops to encourage consumers to buy products. **(2x3)**

6

(i) *essential items are placed at the back of the shop, heavy goods at front of shop,*

(ii) *special offers, smell of freshly baked products, luxury items at eye level etc.*

(e) Choose the correct word from the list below to complete **each** of the following sentences. **(3x3)**

bulk buying own brands safety

9

(i) *safety* is an example of a consumer right.

(ii) *own brands* are cheaper products that are sold under the name of a shop/supermarket.

(iii) *bulk buying* is buying products in large quantities.

4. (a) Suggest **three** guidelines that a teenager can follow to develop positive mental health. **(3x2)**

- (i) *good diet, regular exercise, enough relaxation/ sleep*
- (ii) *do not smoke/ take drugs, think positively*
- (iii) *discuss any problems/ feelings, avoid too much stress etc.*

6

(b) List **three** effects of stress on teenagers. **(3x3)**

- (i) *fast breathing, increase heartbeat, sweating,*
- (ii) *headaches, skin problems, difficulty sleeping,*
- (iii) *anxiety, anger, tension etc.*

9

(c) Name **two** types of leisure activities and give a different advantage of **each** type.

Name = (2x2) marks
advantages = (2x4) marks

12

Leisure activities	Advantage
(i) <u>Running, football team</u>	(i) <u>keep fit / active, healthy weight</u>
(ii) <u>Book club etc</u>	(ii) <u>spending time with others etc</u>

(d) Choose the correct word from the list below to complete **each** of the following sentences. **(3x3)**

high self-esteem health hazard alcohol addiction

9

- (i) A health hazard is anything that is damaging to a person's health and well-being.
- (ii) A teenager with high self-esteem is confident.
- (iii) An alcohol addiction can cause liver disease.

(e) Name **one** organisation that helps teenagers who are affected by alcohol abuse.

Al – Anon, Alateen etc.

4

5. Gas and electricity are common sources of energy in the home.

(a) Suggest **two** different uses of gas and electricity in the home. (4x3)

Uses of gas in the home	Uses of electricity in the home
(i) <u>cooking</u>	(i) <u>lighting, washing machine</u>
(ii) <u>fire</u>	(ii) <u>heating system etc</u>

12

(b) List **three** actions that should be taken in the event of a gas leak in the home. (3x2)

- (i) *open doors/ windows, evacuate the house,*
- (ii) *turn off gas at the meter, do not turn on or off any electrical items/ switches*
- (iii) *call the gas company, do not smoke or light a flame*

6

(c) State **two** safety rules to follow when using an electric appliance. (2x3)

- (i) *do not touch with wet hands, do not overloads sockets*
- (ii) *replace damaged flexes etc.*

6

(d) Match **each** of the words from the list below to the correct method of insulation. (4x3)

windows hot water cylinder attic floor

Method of insulation	
Fibreglass	<i>attic</i>
Lagging jacket	<i>hot water cylinder</i>
Carpet	<i>floor</i>
Double glazing	<i>windows</i>

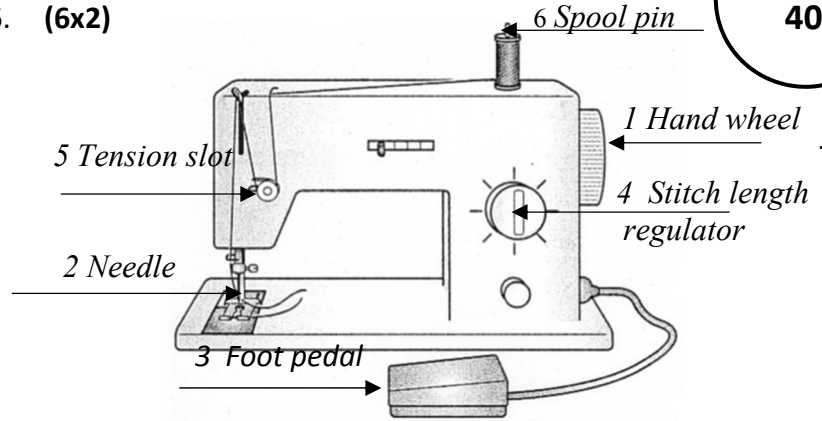
12

(e) List **two** sources of renewable energy that could be used in the home. (2x2)

- (i) *solar panels, geothermal*
- (ii) *wind turbines etc*

6. (a) Indicate on the diagram of the sewing machine, the position of **each** of the parts numbered 1, 2, 3, 4, 5 and 6. **(6x2)**

1. Hand wheel
2. Needle
3. Foot Pedal
4. Stitch length regulator
5. Tension slot
6. Spool pin



12

(b) State a different reason why **each** of the following faults may occur when using a sewing machine. **(2x4)**

8

Faults	Reason
Skipped Stitches	wrong size needle, blunt needle incorrect threading
Needle Breaks	needle inserted incorrectly, tension tight, loose presser foot, pulled fabric while needle was down


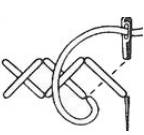

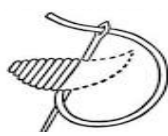
(c) Name **two** different machine stitches. **(2x4)**

- (i) *straight stitch, zigzag stitch*
- (ii) *buttonhole stitch,*

8

(d) Suggest a different use for **each** of the following embroidery stitches. **(4x3)**

12

Embroidery Stitches	Use
Stem Stitch 	<i>to outline stems of flowers</i>
Cross Stitch 	<i>to form a pattern/ picture</i>
Chain Stitch 	<i>as an outline or border</i>
Satin Stitch 	<i>fill in small areas e.g. petals</i>

