



CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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0648/11

October/November 2022

2 hours

No additional materials are needed.

- Section A: answer **all** questions.
- Section B: answer **all** questions.
- Section C: answer **one** question.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.

- The total mark for this paper is 100.
- The number of marks for each question or part question is shown in brackets [].

This document has **12** pages. Any blank pages are indicated.

Section A

Answer **all** questions.

You are advised to spend no longer than 45 minutes on Section A.

1 RDI is an item of information often found on a food label.

(a) State what is meant by RDI.

..... [1]

(b) List **four** other items of information often found on a food label.

1

2

3

4

[4]

[Total: 5]

2 Eggs are used to enrich dishes by adding nutritive value.

Name **two** fat-soluble vitamins found in eggs and state **three** functions of each of these vitamins.

vitamin 1

functions of vitamin 1:

1

2

3

vitamin 2

functions of vitamin 2:

1

2

3

[8]

- 3 (a) Name the substance that emulsifies fats during digestion.

..... [1]

- (b) Describe the role of lipase in the digestion of fats.

.....
.....
..... [2]

[Total: 3]

- 4 Identify **one** different nutrient needed for each of the following functions:

- (a) building bones and teeth

..... [1]

- (b) formation of haemoglobin

..... [1]

- (c) preventing night blindness

..... [1]

- (d) making thyroxine

..... [1]

- (e) promoting growth in children

..... [1]

- (f) converting carbohydrate to energy.

..... [1]

[Total: 6]

- 5 Name **four** different foods that contain protein **and** help prevent constipation.

1

2

3

4

[4]

6 Name **four** different foods that can help prevent anaemia.

- 1
- 2
- 3
- 4 [4]

7 (a) State **three** reasons why food is fortified.

- 1
- 2
- 3 [3]

(b) Name **one** fortified food product.

..... [1]
[Total: 4]

8 (a) State **three** reasons why pregnant women should ensure an adequate intake of vitamin B₉ (folate).

- 1
- 2
- 3 [3]

(b) Name **three** different foods that are a good source of B₉ (folate).

- 1
- 2
- 3 [3]

[Total: 6]

Section B

Answer **all** questions.

- 9 (a) Complete the table to show the quantities of ingredients for making a Victoria sandwich cake.

ingredient	quantity
flour	100 g
butter	
sugar	
egg	

[3]

- (b) Name **two** methods that could be used to make the Victoria sandwich cake.

1

2

[2]

- (c) State **one** different reason why each of the following types of flour would be suitable for making the Victoria sandwich cake:

- (i) white flour

..... [1]

- (ii) soft flour

..... [1]

- (iii) wholemeal flour

..... [1]

- (iv) self-raising flour.

..... [1]

- (d) Sometimes curdling of ingredients can happen during the mixing process.

- (i) State **two** causes of curdling.

1

2

[2]

- (ii) State **one** effect of curdling on the finished cake.

..... [1]

(e) State **two** methods of heat transfer used when baking the cake.

1

2 [2]

(f) Name **one** gas that will make the cake rise during baking.

..... [1]

(g) Caramelisation is one chemical change that takes place in the cake during baking.
Describe the process of caramelisation.

.....

.....

..... [2]

(h) State **one** other chemical change that takes place in the cake during baking.

..... [1]

[Total: 18]

10 The kitchen should be a well-planned area in which to work. One design used for a kitchen layout is an L-shaped design.

Name **three** other types of kitchen layout design.

1

2

3 [3]

11 Fruit can be preserved by modified atmosphere packaging (MAP) or by canning.

(a) Name **three** other methods that can be used to preserve fruit.

- 1
- 2
- 3 [3]

(b) MAP delays the growth of bacteria by replacing air in the package with other gases. Name **two** gases that may be used for MAP.

- 1
- 2 [2]

(c) Complete the following sentences:

- (i) When fruit is canned, it is heated in order to [1]
- (ii) When fruit is canned, it is sealed in the can to [1]

(d) State **one** impact of canning on the sensory properties of fruit.

..... [1]

(e) State **two** guidelines when buying canned fruit.

- 1
- 2 [2]

[Total: 10]

- 12 (a) Wheat is a cereal grain.
Name **four** other cereal grains.

1

2

3

4 [4]

- (b) Cereals are an important energy food.
State **four** other reasons why cereals are an important part of the diet.

1

2

3

4 [4]

- (c) White flour is produced when part of the wheat grain is removed in the refining process.

- (i) Name **one** part of the wheat grain that is removed when producing white flour.

..... [1]

- (ii) Name **one** health problem that could occur if people eat mainly refined cereals.

..... [1]

- (d) Give **four** guidelines for storing white flour in the home.

1

2

3

4 [4]

[Total: 14]

13 High levels of bacteria in food can result in food poisoning.
Identify and explain personal, kitchen and food hygiene techniques to avoid causing food poisoning when preparing family meals.

OR

- reasons why a microwave oven is useful for an elderly person who lives alone
- safety when using a microwave oven.

[15]

[illegible]

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