

**THE KENYA NATIONAL EXAMINATIONS COUNCIL**  
**Kenya Certificate of Secondary Education**



**441/1 HOME SCIENCE (Theory)**

**Paper 1**

**Nov. 2023 - 2½ hours**

Serial No.
10251387

Name: .....

Index Number: .....

Candidate's signature: .....

Date: .....

**Instructions to Candidates**

- (a) Write your name and index number in the spaces provided above.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) This paper consists of three sections; A, B and C.
- (d) Answer all the questions in section A and B and any two questions from section C.
- (e) Answers must be written in the spaces provided.
- (f) This paper consists of 16 printed pages.
- (g) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (h) Candidates should answer the questions in English



**For Examiner's Use Only**

Section	Questions	Maximum Score	Candidate's Score
A	1 - 20	40	
B	21	20	
C		20	
		20	
<b>Total Score</b>		<b>100</b>	







**SECTION A (40 marks)**

*Answer all the questions in this section in the spaces provided.*



**1** Give the meaning of the term *simmering* as used in cookery. (2 marks)

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**2** Identify the deficiency diseases associated with the following nutrients: (2 marks)

- (i) Iodine;
- (ii) Vitamin B1.

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**3** State two advantages of using canned foods. (2 marks)

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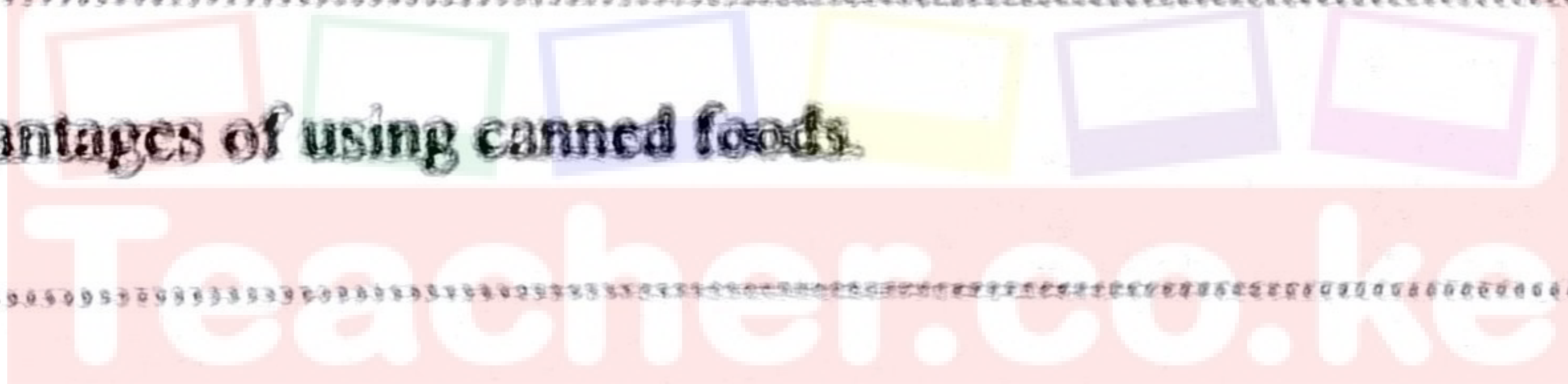
**4** Differentiate between plain and rich cake mixtures. (2 marks)

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**5** Highlight two benefits of studying foods and nutrition to Home Science students. (2 marks)

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6 State two attributes of a well groomed person. (2 marks)

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7 Outline two dangers that may arise when there is poor ventilation in a living room. (2 marks)

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8 Highlight two factors to consider when choosing weaning foods. (3 marks)

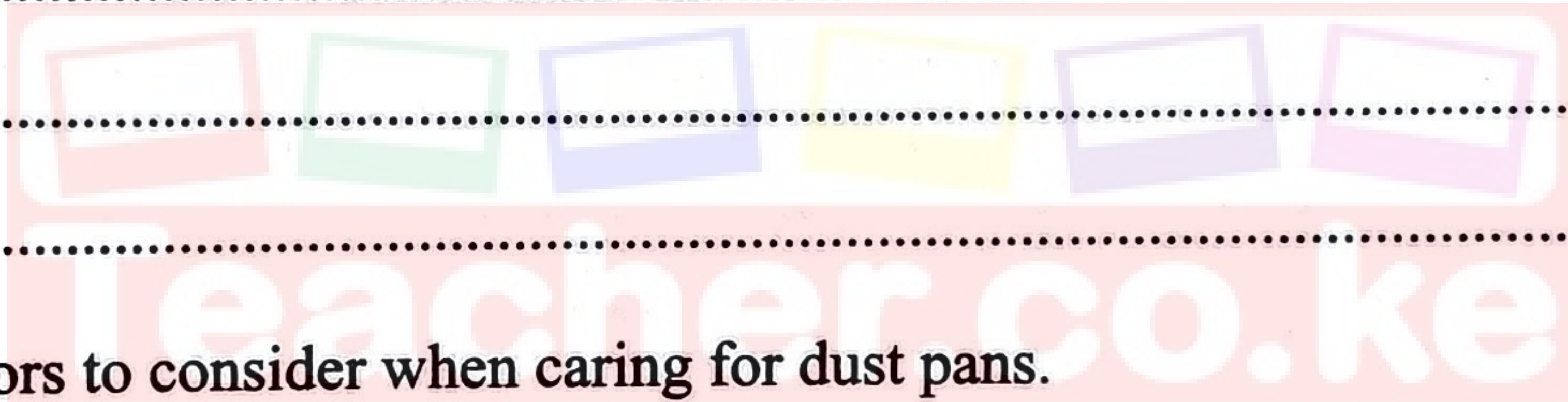
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9 State two factors to consider when caring for dust pans. (2 marks)

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10 Give two examples of each of the following: (2 marks)

(i) Warm colours;  
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(ii) Cool colours.  
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11 Differentiate between organic and inorganic refuse. (2 marks)

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12 Give the meaning of the term *cash buying*. (1 mark)

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13 Highlight **two** functions of the Kenya Bureau of Standards in the protection of consumer rights. (2 marks)

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14 Name **two** builders added to soaps and soapless detergents during manufacture. (2 marks)

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15 State **two** factors to consider when choosing a laundry brush. (2 marks)

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16 Name **two** pattern symbols used in garment construction. (2 marks)

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17 List **four** methods used to control fullness in a garment. (2 marks)

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18 State **two** functions of an opening on a garment. (2 marks)

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19 Highlight **two** qualities of a good ironing table. (2 marks)

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20 State **two** properties of linen that makes it suitable for making table clothes. (2 marks)

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## SECTION B (20 marks)

(Compulsory)

*Answer question 21 in the spaces provided after question 24.*

21 Your parents are away for the weekend and have asked you to thorough clean the house.

Describe the procedure you would follow to:

- (a) Thorough clean the toilet in your bedroom; (7 marks)
- (b) Launder a pair of acrylic school socks; (7 marks)
- (c) Thorough clean a greasy glass bowl that was used in the preparation of a creamed cake. (6 marks)

## SECTION C (40 marks)

*Answer any two questions from this section in the spaces provided after question 24.*

- 22 (a) Highlight three reasons for cooking food. (6 marks)
- (b) Explain one function of each of the following ingredients in cake making: (6 marks)
- (i) Eggs;
- (ii) Fat;
- (iii) Liquid.
- (c) Explain four benefits of educating today's consumer in Kenya. (8 marks)
- 23 (a) Describe three precautions to take when dry cleaning a necktie at home. (6 marks)
- (b) Describe three qualities of a well made sleeve on a girl's dress. (6 marks)
- (c) Explain four properties of silk fabric that make it suitable for evening wear. (8 marks)
- 24 (a) Describe three types of kitchen plans. (6 marks)
- (b) Explain four advantages of proper drainage in a home compound. (8 marks)
- (c) Explain three challenges that a baby may face due to supplementary feeding. (6 marks)

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