

Name ..... Index No .....

441/1  
HOME SCIENCE  
Paper 1  
(Theory)  
Oct./Nov. 2012  
2½ hours

Candidate's Signature .....

Date .....



**THE KENYA NATIONAL EXAMINATIONS COUNCIL**  
Kenya Certificate of Secondary Education  
HOME SCIENCE  
Paper 1  
(Theory)  
2½ hours

**441/1 - Home Science P1**  
Monday 11.15 am - 1.45 pm  
22/10/12 (2nd session)

**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 sections **A and B** and any **two** questions from section **C** in the spaces provided.
- (e) **This paper consists of 12 printed pages.**
- (f) **Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**

**For Examiner's use only**

Section	Questions	Maximum Score	Candidate's Score
A	1 - 21	40	
B	22	20	
C		20	
		20	
Total Score		<b>100</b>	

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Kenya Certificate of Secondary Education, 2012  
HOME SCIENCE  
Paper 1

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Turn over

**SECTION A (40 marks)**

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

**1** Give **two** functions of Vitamin A in the body. (2 marks)

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**2** State **two** symptoms of goitre. (2 marks)

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**3** Outline **two** precautions to take when handling calabashes. (2 marks)

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**4** Give **two** reasons for using dried fruits in cake making. (2 marks)

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**5** Distinguish between **shallow** and **deep** fat frying. (2 marks)

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**6** Give **two** methods of removing dust from surfaces in a home. (2 marks)

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7 Give **two** advantages of using loose covers in the home. (2 marks)

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8 State **two** ways of disposing refuse economically. (2 marks)

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9 Define good grooming. (1 mark)

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10 Give **two** ways in which medicine can be abused. (2 marks)

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11 State **two** benefits of manipulative play. (2 marks)

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12 State **two** problems that may occur on the feet as a result of wearing tight fitting shoes. (2 marks)

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13 Giving an example in each case, differentiate between **goods** and **services**. (2 marks)

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14 List **two** vegetable stains that commonly occur in homes. (1 mark)

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15 Give **two** reasons for starching articles. (2 marks)

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16 State **two** precautions to take when laundering viscose rayon. (2 marks)

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17 Give **two** examples of inconspicuous seams. (2 marks)

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18 Identify **two** functions of openings on a garment. (2 marks)

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19 State **two** advantages of using tacking stitches. (2 marks)

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20 Differentiate between **trimmings** and **trimming** as used in clothing construction. (2 marks)

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21 Complete the following table on classification of fibres.

FIBRE	CLASS
Viscose Rayon	
	Elastofibre
Polyester	
Asbestos	

(2 marks)

**SECTION B (20 marks)**

**(COMPULSORY)**

*Answer question 22 in the spaces provided.*

**22** You are planning to host your sister’s graduation party at home.  
In preparation for the occasion;

- (a) Without the use of chlorine, outline the procedure you would use to make muddy contaminated water safe for drinking and store ready for use. (6 marks)
- (b) Outline the procedure you would follow to thoroughly clean the plastic chairs to be used for the occasion. (8 marks)
- (c) Describe the procedure you would follow when laundering a coloured cotton handkerchief. (6 marks)

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**SECTION C (40 marks)**

Answer any **two** questions from this section in the spaces provided at the end of this section.

- 23** (a) Giving a reason in each case, state **four** rules to observe when making short crust pastry. (8 marks)
- (b) Explain **three** hygiene practices to observe during food storage. (6 marks)
- (c) Explain **three** points to take into account when buying baking tins to ensure quality. (6 marks)
- 24** (a) Outline the steps followed in making pin tucks. (6 marks)
- (b) Explain **four** qualities of a well made in-seam pocket. (8 marks)
- (c) Describe the procedure of laundering a polyester pair of trousers. (6 marks)
- 25** (a) Outline the procedure of daily cleaning a baby's bedroom. (6 marks)
- (b) Giving **two** reasons in each case, identify a method of lighting each of the following rooms;
- (i) Study room
- (ii) Living / sitting room (6 marks)
- (c) Explain **four** practices necessary for maintaining healthy teeth. (8 marks)

