

23.12 HOME SCIENCE (441)

23.12.1 Home Science Paper 1 (441/1)



MANYAM FRANCHISE
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Name Index No...../.....

441/1
HOME SCIENCE
Paper 1
(Theory)
Oct, /Nov. 2007
2½ hours

Candidate's Signature

Date

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

INSTRUCTIONS TO CANDIDATES

Write your name and index number in the spaces provided above.

Sign and write the date of examination in the spaces provided above.

This paper consists of three sections: A, B and C.

Answer all the questions in sections A and B and any two questions from section C.

Answers to ALL questions must be written in this booklet.

For Examiner's use only

Section	Questions	Maximum Score	Candidate's Score
A	1 - 24	40	
B	25	20	
C		20	
		20	
Total Score			

This paper consists of 11 printed pages

Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.

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Turn over

- 1 Give two ways of making water safe for drinking. (2 marks)
- 2 Mention two methods of preserving fruits without using a refrigerator. (1 mark)
- 3 Name the biological agent used in bread making. (1 mark)
- 4 Identify two precautions to take when cleaning glass utensils. (2 marks)
- 5 State two advantages of convenience foods. (2 marks)
- 6 Suggest two reasons why chicken curry with fried potatoes is not a suitable meal for a person convalescing from typhoid. (2 marks)
- 7 A cake was cooked on the outside but uncooked in the inside. Suggest possible causes. (2 marks)
- 8 Your five year old cousin has the following signs:
 - (i) oedema
 - (ii) protruding stomach
 - (iii) scattered thin hair.

The nutritional disorder exhibited is (1 mark)
- 9 What causes fainting? (1 mark)
- 10 Haemorrhoids are (1 mark)
- 11 Apart from pregnancy, identify four reasons for missing menstruation. (2 marks)
- 12 State points to remember while cleaning a sickroom. (2 marks)
- 13 Describe the following terms as used in child development:
 - (a) physical play (1 mark)
 - (b) imaginative play. (1 mark)
- 14 Define ventilation. (1 mark)
- 15 State two disadvantages of maisonnettes. (2 marks)
- 16 Identify two factors that influence the choice of colour scheme of a room. (2 marks)
- 17 List four fabrics which cannot be disinfected by boiling. (2 marks)
- 18 Give two reasons for rinsing clothes. (2 marks)
- 19 Why is impulse buying not encouraged? (1 mark)
- 20 Mention two uses of a thimble. (2 marks)
- 21 Identify two permanent machine stitches. (1 mark)
- 22 Give two methods used for transferring pattern markings on to a fabric. (2 marks)
- 23 The size of a French seam is determined by: (2 marks)
- 24 List two fastenings suitable for a toddler's garment. (2 marks)

SECTION B (20 marks)

COMPULSORY

Answer this question in the spaces provided at the end of section C.

- 25 You are planning to go for a picnic.
 - (a) Giving reasons, outline the procedure you would use to thoroughly clean a synthetic bag without a base board. (8 marks)

- (b) Outline the steps to follow when laundering the woollen sweater you will wear. (12 marks)

SECTION C (40 marks)

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

- 26 (a) Mention **three** uses of maize in the home. (3 marks)
- (b) Identify **four** major nutrients found in maize. (4 marks)
- (c) (i) Describe **four** changes that take place when boiling dry maize. (4 marks)
- (ii) Suggest **three** ways of shortening the cooking time of dry maize. (3 marks)
- (d) Explain **three** considerations to make when selecting a storage facility for dry maize. (6 marks)
- 27 (a) Outline **four** preparations to make for the baby's arrival. (4 marks)
- (b) Describe **two** ways of sterilizing a baby's feeding equipment. (2 marks)
- (c) Explain **two** benefits of attending post-natal clinic. (4 marks)
- (d) (i) Give the systematic order of placing bedding items when preparing a baby's cot. (7 marks)
- (ii) State **one** function in each case of any **three** of the bedding items mentioned in d (i) above. (3 marks)
- 28 (a) Explain **four** properties of cotton that make it suitable for pyjamas. (8 marks)
- (b) Suggest **four** features that can be used to finish pyjamas decoratively. (4 marks)
- (c) Give **three** reasons for ironing pyjamas. (3 marks)
- (d) Explain **five** desirable qualities of an ironing board. (5 marks)

23.12.2 Home Science Paper 2 (441/2)

441/2
HOME SCIENCE (CLOTHING CONSTRUCTION)
Paper 2
(PRACTICAL)
Oct./Nov. 2007
2½ hours

THE KENYA NATIONAL EXAMINATIONS COUNCIL
Kenya Certificate of Secondary Education
HOME SCIENCE (CLOTHING CONSTRUCTION)
Paper 2
(PRACTICAL)
2½ hours

This paper consists of 3 printed pages

**Candidates should check the question paper to ascertain that both
pages are printed as indicated and no questions are missing.**

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Turn over

A pattern of a child's dress is provided. You are advised to study the sketches, the question paper and the layout carefully before you begin the test.

MATERIAL PROVIDED

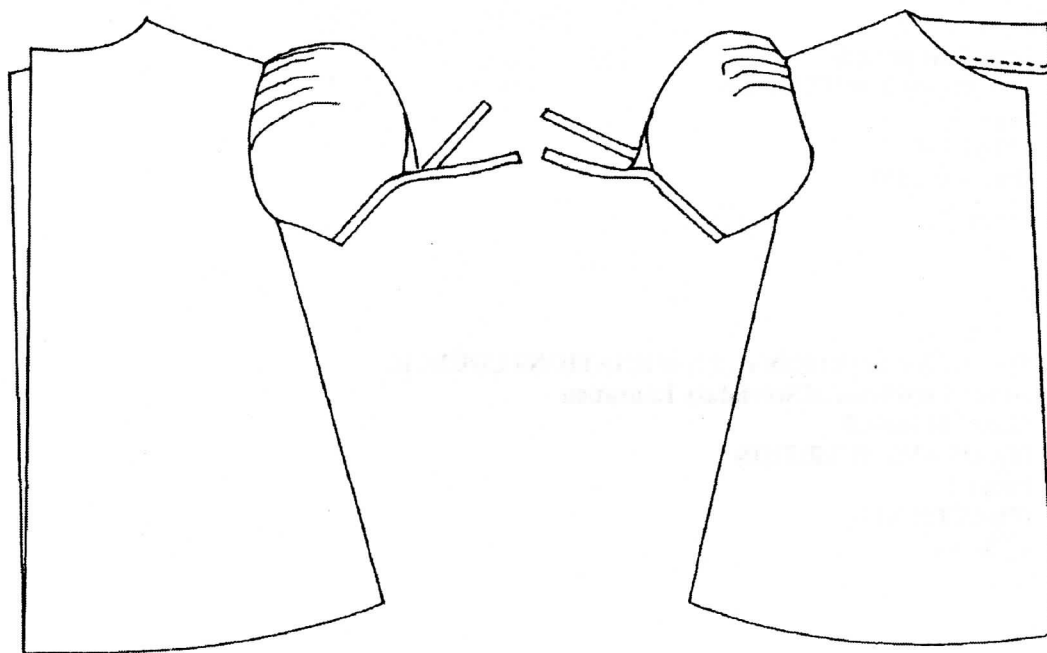
1. Pattern pieces
 - A. Dress front
 - B. Dress back
 - C. Sleeve
 - D. Sleeve binding and ties
 - E. Sleeve opening facing
 - F. Front neck facing
 - G. Back neck facing.
2. Plain light weight cotton fabric 70 cm long by 90 cm wide.
3. Sewing thread to match fabric.
4. One large envelope.

THE TEST

Using the materials provided, cut out and make up the **RIGHT HALF** of the child's dress to show the following:

- (a) The making of a French seam at the shoulder.
- (b) The joining of the side with a neatened open seam.
- (c) The preparation of a faced sleeve opening.
- (d) The joining of the underarm seam using a neatened open seam.
- (e) The binding of the lower edge of the sleeve and preparation of the tie ends.
- (f) The preparation and attachment of the sleeve.
N.B: Do not trim or neaten the armhole seam allowance.
- (g) The preparation and attachment of neck facings.

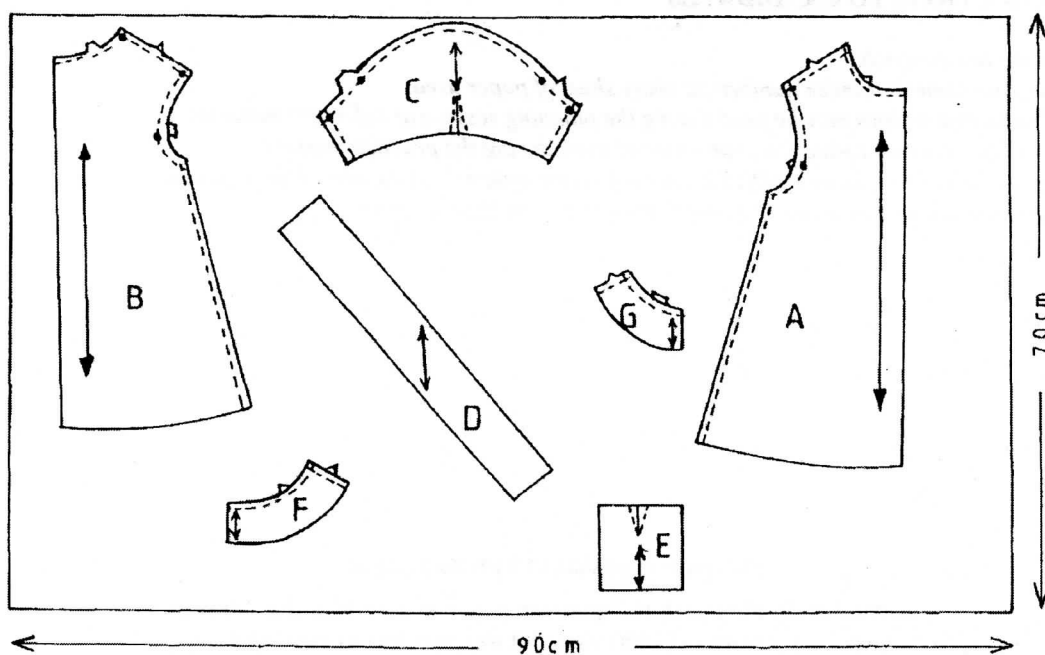
At the end of the examination, firmly sew on to your work, on a single fabric a label bearing your name and index number. Remove the needles and pins from your work, then fold your work carefully and place it in the envelope provided. **Do not** put scraps of fabric in the envelope.



BACK VIEW

FRONT VIEW

THE LAYOUT (NOT DRAWN TO SCALE)



23.12.3 Home Science Paper 3 (441/3)

**441/3
HOME SCIENCE
FOODS AND NUTRITION
Paper 3
(PRACTICAL)
Oct./Nov. 2007
1 $\frac{3}{4}$ hours**

**THE KENYA NATIONAL EXAMINATIONS COUNCIL
Kenya Certificate of Secondary Education
HOME SCIENCE
FOODS AND NUTRITION
Paper 3
(PRACTICAL)
1 $\frac{3}{4}$ hours**

**PLANNING SESSION: 30 minutes
PRACTICAL TEST SESSION: 1 $\frac{3}{4}$ hours**

INSTRUCTIONS TO CANDIDATES

*Read the test carefully.
Write your name and index number on every sheet of paper used.
Textbooks and recipes may be used during the planning session as reference materials.
You will be expected to keep to your order of work during the practical session.
You are allowed to take away **ONLY** your reference materials at the end of the planning session.
You are not allowed to bring additional notes to the practical session.*

This paper consists of 2 printed pages

Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.

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THE TEST

You are hosting three officials of your Home Science Club. Using the ingredients listed below, prepare, cook and present a beverage and two tea items for yourselves.

Ingredients

Margarine
Tea leaves
Bread
Plain wheat flour
Eggs
Sugar
Oil
Salt
Tomatoes
Milk

PLANNING SESSION: 30 minutes.

Use separate sheets of paper for each task listed below and use carbon paper to make duplicate copies then proceed as follows:

1. *Identify the beverage and the tea items, then write down their recipes.*
2. *Write down your order of work.*
3. *Make a list of the foodstuffs and equipment you will require.*