**NAME ………………………………..……………….. DATE ………………………….……………**

**INDEX NO. …………….……….……..…..… CANDIDATE’S SIGNATURE …………..…………..**

**441/ 1**

**HOME SCIENCE**

**PAPER 1**

**(THEORY)**

**FEB 2022**

**TIME: 2 ½ HOURS**

**FORM 3 EXAMINATION 2023**

*Kenya Certificate of Secondary Education (K.C.S.E)*

**441/ 1**

**HOME SCIENCE**

**PAPER 1**

**(THEORY)**

**TIME: 2 ½ HOURS**

**Instructions to candidates**

* Write your name and index number in the spaces above.
* This paper consists of three sections **A**, **B** and **C**.
* Answer all the questions in section **A**, Question 19 **(Compulsory)** in section **B** and any two questions from section **C**.
* Answers to **ALL** questions must be written in this booklet.
* This paper consists of **8** printed pages.
* Candidates should check to ensure that all pages are printed as indicated and no questions are missing

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION** | **QUESTIONS** | **MAXIMUM SCORE** | **CANDIDATES SCORE** |
| **A** | 1 -17 | 40 |  |
| **B** | 18 | 20 |  |
| **C** | 19 | 20 |  |
| 20 | 20 |  |
| 21 | 20 |  |
| **TOTAL SCORE** |  |

**441/ 1**

**Home science**

**Paper 1**

**(Theory)**

 **SECTION A (40 MARKS)**

 **Answer all the questions in this section**

1. Name the three major kitchen plans found in modern houses (3marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Mention three ways of preventing young children from drowning (3marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Serving equipments can be divided into five groups. List four of these groups (2marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

1. List four stitches used to hold edges in place (2marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

1. List six positions to consider when taking body measurements (3marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State three nutrients which need a slight increase on a balanced diet of a lactating mother. (3marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Suggest two remedies for garments that cling onto the body (2marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

1. Give three points on how to help a child learn and develop properly through play (3marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Mention one similarity and one difference between osteo malaria and rickets (2marks)

………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

1. Identify two reasons for buying the fabric after drafting / buying a pattern (2marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Suggest one laundry equipment that can be made using each of the following materials
2. Galvanised iron (1mark)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

1. Cast iron (1mark)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Outline two machine faults and their causes (2marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Describe two problems a mother who has a ten month old body is likely to encounter when weaning her baby (2marks)

………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

1. Mention two advantages of breastfeeding and one limitation of breastfeeding (3marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Define the following
2. vaccine (1mark)

………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

1. antibody (1mark)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. What are two dangers of a mother delivering at home in the hands of traditional birth attendants

 (2marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Mention four methods of removing dust from surfaces in a home (2marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

 **SECTION B (20MKS) COMPULSORY**

1. You have been invited by your aunt for an evening party over the holidays
2. Thoroughly clean your leather shoes ready for the party. (8marks)
3. Dry clean your headgear with home dry cleaner (4marks)
4. Clean an acrylic sweater (8marks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

**SECTION C (40MKS)**

**Answer any two questions from this section**

1. (a) Explain four (4) types of immunization given to children before their first birthday. (4marks)

 (b) State and explain four factors that determine repair methods to be used on garments (8marks)

 (c) Explain four points to bear in mind when serving meals for invalids (8marks)

1. (a) Explain three desirable qualities of well made tuck tuck (6marks)

 (b) Mention six points to bear in mind when selecting play items (6marks)

 (c) Using diagrams, describe how to make an overlaid seam (8marks)

1. (a) State four lifestyle diseases, their causes and remedies (8marks)

 (b) Outline six qualities to look for when buying a sauce pan (6marks)

 (c) Outline three points to consider when choosing fabric for nightwear. (6marks)

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 ………………………………………………………………………………………………………………