Name…………………………………………………………Index No…………………………. Candidate’s sign…………………… Date………………………………..

**441/1**

**HOME SCIENCE**

**Paper 1**

**THEORY**

**January 2021**

**2 ½ hours**

**KASSUJET EXAMINATION**

**Kenya Certificate of Secondary Education**

**441/1**

**HOME SCIENCE**

**(THEORY)**

**Paper 1**

**January 2021**

**2 ½ Hours**

**Instructions to candidates**

1. Write your name and index number in the spaces provided above.
2. Sign and write the date in the examination spaces provided above
3. This paper consists of **three** sections: **A, B** and **C.**
4. Answer **all** questions in section **A** and **B** and any **two** from section **C.**
5. Answers to **all** the questions must be written in the spaces provided.
6. **This paper consists of 16 printed pages.**
7. **Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**
8. **Candidates should answer the questions in English.**

**For Examner’s Use Only**

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| --- | --- | --- | --- |
| **Section** | **Question** | **Maximum**  **Score** | **Candidate’s**  **Score** |
| **A** | **1-40** | **40** |  |
| **B** | **41** | **20** |  |
| **C** | **42** | **40** |  |
| **43** |  |  |
|  | **44** |  |  |
| **Total score** | | **100** |  |

**SECTION A (40 MARKS)**

***Answer ALL questions in this section. Write answers in the spaces provided****.*

1. With the pandemic we are experiencing, state a suitable method of **meal service** that schools should adopt and give a reason why. (1mark)

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1. State **two** precautions to take while handling and storing fuels in the home. (1mark)

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1. Describe how to **hang** clothes during storage. (1mark)

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1. State **two** uses of facings in garment construction. (1mark)

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1. Differentiate between **ironing** and **pressing.** (1mark)

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1. Give **two** conditions suitable for growth of yeast. (1mark)

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1. State **two** reasons why polyester is commonly used to make school uniforms. (1mark)

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1. Mention **two** ways of preventing food spoilage. (1mark)

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1. Note down **two** points to observe when using a sewing machine. (1mark)

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1. Identify any **two** methods of neatening seams. (1mark)

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1. State **two** measures to take in order to control the incidence of bed sores in bed ridden invalids. (1mark)

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1. Give **two** points to observe when using a refrigerator. (1mark)

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1. Highlight **two** reasons for cooking pulses. (1mark)

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1. Gliding doors are commonly used in banks. Give **two** reasons why this is so. (1mark)

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1. Name **two** types of electric lamps. (1mark)

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1. State **two** points to observe when using sugar in jam making. (1mark)

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1. Mention **two** preparations done on fabric before laying out. (1mark)

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1. Convenience foods have become quite popular. Give **two** scenarios where they would come in handy. (1mark)

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1. List **two** ways of caring for open drains. (1mark)

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1. Differentiate between the **cutting line** and the **stitching line.** (1mark)

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1. State **two** points to consider when working stitches for buttonholes. (1mark)

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1. Identify the part of the **skin** that is responsible for its strength and elasticity. (1mark)

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1. A serving tray should be lined before use give **two** reasons for this. (1mark)

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1. Describe how to manage **choking** in babies. (1mark)

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1. What is **Immunization?**  (1mark)

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1. Give **two** ways poison can be introduced into the body. (1mark)

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1. Building houses is preferred as opposed to **buying.** Discuss (1mark)

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1. State **two** risk factors that may cause pre-mature birth. (1mark)

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1. List **two** fabrics that cannot be disinfected by boiling. (1mark)

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1. Point out **two** qualities of a good stitch. (1mark)

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1. Give **two** advantages of dry-cleaning. (1mark)

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1. Note down **two** importance of breast feeding. (1mark)

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1. How can habit training be achieved? Give **two** ways (1mark)

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1. Mention **two** ways of minimizing the wastage of detergents during washing. (1mark)

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1. Give **two** reasons why sleeves are used in a garment. (1mark)

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1. State **two** reasons why abrupt weaning may be done for a baby. (1mark)

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1. Give **two** functions of carbohydrates in the body. (1mark)

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1. Mention **two** qualities of a good cleaning cloth. (1mark)

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1. State **two** reasons why galvanized iron buckets have become unpopular in many households. (1mark)

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1. Explain the cleaning action of a **detergent.** (1mark)

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**SECTION B (20 MARKS)**

***Complusory Question. Write your answers in the spaces provided***

1. You have arrived home for your Christmas holiday explain how to clean the following items.
2. Muddy leather shoes in readiness for polishing. (7marks)
3. Clean a polished wooden table. (6marks)
4. Launder a loose coloured cotton T-shirt with a wax stain. (7marks)

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**SECTION C; (40 MARKS)**

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

1. (a) Identify **four** factors that affect the efficiency of a detergent. (4marks)

(b) Identify **four** ways a consumer can deal with scarcity of resources. (4marks)

(c) Note down **four** points to consider when planning and preparing meals for vegeterians. (4marks)

(d)Name **four** areas where darts could be stitched on a garment. (4marks)

(e) Give **four** ways one would use to test/know whether a cake is cooked. (4marks)

1. (a) Identify **four** advantages of simple non-installment credit. (4marks)

(b) Mention **four** points to consider when choosing fabric for curtains. (4marks)

1. Discuss **four** methods of controlling fullness suitable for children’s garments. (4marks)
2. Highlight **four** points to consider when selecting clothes for a short plump figure. (4marks)

(e) State **four** symptoms of scurvy. (4marks)

1. (a) Note down how secondary colours are obtained and give examples. (4marks)

(b) Identify **four** functions of Kenya Bureau of Standards. (4marks)

(c) List four qualities of a well-made collar. (4marks)

(d) Give **four** food preservation has become necessary in the recent past. (4marks)

(e ) Define the following terms as used in soft furnishings. (4marks)

1. Tint
2. Intensity
3. Value
4. Hue

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