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

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

**441/1**

**HOME SCIENCE**

**Paper 1 (Theory)**

**Time: 2½ Hours**

**FORM 3**

***Kenya Certificate of Secondary Education***

**441/1**

**HOME SCIENCE**

**Paper 1 (Theory)**

**Time: 2½ Hours**

**INSTRUCTIONS TO THE CANDIDATES**

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

This paper consists of **THREE** sections A, B, and C.

Answer **ALL** the questions in section A and B

Answer any **TWO** questions from section C

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 examiners use only**

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| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum**  **score** | **Candidates score** |
| **A** | 1. **15** | **40** |  |
| **B** | **16** | **20** |  |
| **C** |  | **20**  **20** |  |
|  | **TOTAL SCORE** | **100** |  |

**SECTION A – 40 MARKS**

**Answer all questions in the space provided**

1. Outline two importances of care labels on garments. (2 marks)

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2. State two factors to consider when choosing a method of neatening a seam. (2 marks)

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3. Differentiate between cuts and bruises. (2 marks)

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4. State the effect of the following on nutrients in foods.

(a) Prolonged cooking at high temperatures. (1 mark)

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(b) Shredding and slicing of vegetables during preparation. (1mark)

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(c) Moist methods of cooking. (1 mark)

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5. Mention two reasons for early ceasation of breastfeeding. (2 marks)

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6. Mention three sources of information for the consumer. (3 marks)

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7. Outline three points on the care of a microwave oven. (3 marks)

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8. Identify three functions of vitamin B1 in the diet. (3 marks)

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9. Give three laundry processes that are harmful to woolen fabrics and in each case state the harm caused.

(3 marks)

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10. While using grease solvents one should be careful. Mention two precautionary measures to take.

(2 marks)

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11. What is the function of each of the following parts of a sewing machine.

(i) Spool pin (1 mark)

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(ii) Feed dog (1 mark)

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(iii) Tension disc (1 mark)

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12. Highlight two precautions to take on a limb after a snake bite. (2 marks)

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13. Name any three methods used for transferring pattern markings. (3 marks)

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14. State two uses of mineral fibres in clothing. (2 marks)

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15. State three disadvantages of steaming as a method of cooking. (3 marks)

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**SECTION B – 20 MARKS)**

**COMPULSORY**

**Answer question 16 in the spaces provided.**

16. You have been assigned by your aunt to assist in carrying out some household chores.

(a) Giving reasons, explain how you would launder a loose coloured cotton shirt. (8marks)

(b) Describe how you would clean a plain wooden table top. (7marks)

(c) Outline the procedure you would use to clean a greasy glass mug. (5 marks)

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**SECTION C – 40 MARKS**

**Answer any two questions in this section**

17. (a) Describe five precautions to observe when handling yeast mixtures. (10 marks)

(b) Explain the role of play in child development under the following sub-headings.

(i) Physical development. (2marks)

(ii) Social development (2 marks)

(iii) Mental development (2marks)

(c) Give four reasons why disposal of sewage in rivers and streams is prohibited. (4 marks)

18. (a) With aid of two labelled diagrams explain the working of a box pleat. (6 marks)

(b) Outline four points to observe when choosing basins for laundry work. (4 marks)

(c) Explain five reasons for cleaning a house. (10 marks)

19. (a) Discuss five factors that contribute to safe parenthood. (10 marks)

(b) Draw a flow chart to illustrate the classification of man-made fibres. (7 marks)

(c) Name three important body measurements which must be taken when making a skirt. (3 marks)

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