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

Candidate’s sign……………….

Date…………………………….

441/ 1

HOME SCIENCE

(THEORY)

Paper 1

March/April, 2020

2 ½ Hours

**POST EVALUATION EXAMINATION**

**Kenya Certificate of Secondary Education**

441/ 1

HOME SCIENCE

(THEORY)

Paper 1

March/April, 2020

2 ½ Hours

***Instructions to candidates***

1. *Write your name and index number in the spaces provided above.*
2. *Sign and write the date of the examination in the space provided*
3. *This paper consists of three sections A, B and C.*
4. *Answer all questions in Section A and B and any TWO questions from section C*
5. *Answers to all questions must be written in this booklet*
6. *This paper consists of 10 printed pages.*
7. *Candidates should answer the questions in English.*

**FOR EXAMINER’S USE ONLY**

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| --- | --- | --- | --- |
| **SECTION** | **QUESTION** | **MAXIMUM SCORE** | **CANDIDATE’S SCORE** |
| A | 1 – 40 | 40 |  |
| B | 41a, b | 20 |  |
| C | 42 | 20 |  |
|  | 43 | 20 |  |
|  | 44 | 20 |  |
|  | **TOTAL** | **100** |  |

**SECTION A: (40 MARKS)**

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

1. Give **two** measuring tools in needlework. (1 mark)

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2. Point out the major difference of cotton and wool viewed under a microscope (1 mark)

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3. Explain the term dredge as used in flour mixtures (1 mark)

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4. Give **two** uses of salt in laundry work (1 mark)

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5. What is consumer education (1 mark)

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6. Outline **two** major signs of goitre (1 mark)

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7. Suggest **two** other methods of storing clothes and household linen apart from folding (1 mark)

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8. State **two** factors that make biogas an unpopular fuel. (1 mark)

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9. Give **two** reasons for serving water in a meal (1 mark)

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10. Describe how you would store maize flour in the kitchen (1 mark)

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11. Outline **two** advantages of using a potato peeler over a kitchen knife. (1 mark)

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12. Give **two** suggestions for painting your ceiling boards with a light colour. (1 mark)

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13. Elastic fibres are used to make foundation garments. Give **two** examples of such garments (1 mark)

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14. Note down **two** effects of deep-frying protein foods without coating (1 mark)

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15. State **two** advantages of choosing boiling as a method of cooking (1 mark)

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16. Name **two** types of seams that are stitched twice. (1 mark)

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17. Explain how food preservation is achieved through smoking (1 mark)

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18. Outline **two** ways of achieving shirring in disposal of fullness (1 mark)

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19. Give **two** disadvantages of prolonged use of convenience foods (1 mark)

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20. List **two** ways of saving time and energy during cooking. (1 mark)

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21. Describe how to take hip measurements (1 mark)

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22. Point out **two** non-decorative patches in repair of clothes and household articles (1 mark)

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23. Define home science as a competence-based subject. (1 mark)

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24. Mary is under taking her teaching practice in a far off county. State two most suitable methods of acquiring shelter before she resumes her studies. (1 mark)

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25. Outline **two** possible causes of decreased demand of free dresses by expectant mothers. (1 mark)

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26. What is rinsing as used in laundry work (1 mark)

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27. State **two** social reasons for wearing shoes (1 mark)

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28. Point out **two** uses of temporary stitches in clothing construction (1 mark)

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29. Name **two** special treatment done before final rinsing (1 mark)

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30. State **two** disadvantages of using powdered formulae to feed the baby (1 mark)

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31. Give **two** factors that determine the length of a skirt (1 mark)

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32. Give **two** sources of natural food poisoning (1 mark)

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33. List **two** qualities of a good girls’ teddy bear (1 mark)

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34. State **two** methods of attaching collars (1 mark)

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35. Knitting of family clothing has gradually gone down. Suggest the possible reasons for this (1 mark)

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36. Differentiate between partial weaning and natural weaning (1 mark)

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37. Outline **two** uses of interfacing (1 mark)

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38. Identify the nutritional disorder known as the ‘living skeleton’. Give a reason why it’s referred as so. (1 mark)

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39. Give **two** reasons why your home science teacher discourages soaking of wooden handled knives. (1 mark)

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40. Name **two** components of a two-course meal. (1 mark)

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**SECTION B: (20 MARKS)**

***Compulsory- Answer question 41 in the spaces provided***

41. Today is your family cleaning day;

1. Treat the temporary hard water with solid particles and store it in readiness for cleaning

(3 marks)

1. Use the treated water to;
2. Thorough clean your elastofibre inner wear (5 marks)
3. Thorough clean the laminated in-built table in your room (6 marks)
4. Weekly clean the stained melamine cup (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.***

42. a) Highlight **four** signs of a woman who is likely to have twins (4 marks)

b) State and explain **four** negative effects of advertisement to the consumer (4 marks)

c) Giving a reason, mention **four** blood tests carried out in an antenatal clinic (4 marks)

d) Mention **four** ways through which an individual may suffer from anaemia. (4 marks)

e) Describe **four** methods used to transfer pattern markings (4 marks)

43. a) You are giving a talk to ‘mothers union’ on the care of invalids. Give **four** points you would include on preventive measures (4 marks)

b) Explain **four** importance of preparing a shopping list before going for shopping (4 marks)

c) Identify **four** ways in which measles can be managed in infants. (6 marks)

d) Give **four** benefits of vitamin B2 in the human body (4 marks)

e) Balance points are matched with other similar ones. Point out **four** areas where they are likely to be put on a garment (4 marks)

44. a) Outline **four** factors to bear in mind when picking flowers to arrange (4 marks)

b) Explain the following terms as used in consumer education; (4 marks)

(i) Fixed expenditure

(ii) Consumer exploitation

c) State **four** principles used when administering first Aid to a victim of poison

(4 marks)

d) State and explain **four** nutrient conservation measures taken during food preparation

before cooking (4 marks)

e) Use the pattern markings below to describe the working of an invested pleat (5 marks)

Include a clearly labelled diagram.

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