

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

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;
- a) Treat the temporary hard water with solid particles and store it in readiness for cleaning (3 marks)
 - b) Use the treated water to;
 - (i) Thorough clean your elastofibre inner wear (5 marks)
 - (ii) Thorough clean the laminated in-built table in your room (6 marks)
 - (iii) 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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