

NAME..... INDEX NO.....
SCHOOL..... CANDIDATE'S SIGNATURE.....
DATE.....

441/1
HOME SCIENCE
PAPER 1
(THEORY)
JULY/AUGUST 2013
TIME: 2½ HOURS

KIHARU/KAHURO DISTRICT JOINT EXAMINATION – 2013

Kenya Certificate of Secondary Education
HOME SCIENCE
PAPER 1
(THEORY)
TIME: 2½ HOURS

INSTRUCTIONS TO CANDIDATES:

1. Write your **name** and **index number** in the spaces provided **above**.
2. **Sign** and write the date of examination in the spaces provided **above**.
3. This paper consists of **three** Sections **A, B** and **C**.
4. Answer **all** questions in Section **A**
5. Answer **all** questions in Section **B**.
6. Answer any **two** questions from Section **C**.
5. Answers to all questions must be written in this booklet.

FOR EXAMINER'S USE ONLY:

| Section | Question | Maximum Score | Candidate's Score |
|--------------------|---------------|---------------|-------------------|
| A | 1 – 18 | 40 | |
| B | 19 | 20 | |
| C | 20 | 20 | |
| | 21 | 20 | |
| | 22 | 20 | |
| TOTAL SCORE | | 100 | |

SECTION A: (40 MARKS)

Answer ALL the questions in the spaces provided:

1. State **two** ways in which a country with home scientist benefits. (2 marks)

(i) _____

(ii) _____

2. Differentiate drug abuse from drug misuse. (2 marks)

3. Identify the **four** major centres in a kitchen. (2 marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

4. State **two** points on care of glass utensils. (2 marks)

(i) _____

(ii) _____

5. Identify **four** mechanical ways of introducing air into flour mixtures. (2 marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

6. Give **three** qualities of a good toy. (3 marks)

- (i) _____
- (ii) _____
- (iii) _____

7. Give **two** points on care of feet. (2 marks)

- (i) _____

- (ii) _____

8. State the difference between decanted water and filtrated water. (2 marks)

9. State **three** desirable properties that make polyester fibres have a very high demand today.(3 marks)

- (i) _____
- (ii) _____
- (iii) _____

10. Identify **two** qualities of a good advertisement. (2 marks)

- (i) _____

- (ii) _____

11. State **two** symptoms of hepatitis. (2 marks)

- (i) _____

- (ii) _____

12. State **two** points why convenience foods are not accessible to majority of house holds. (2 marks)

(i) _____

(ii) _____

13. Suggest **three** information that should be indicated on certified products. (3 marks)

(i) _____

(ii) _____

(iii) _____

14. Mention **two** importances of melanin pigment in the body. (2 marks)

(i) _____

(ii) _____

15. State **two** advantages of owning a home. (2 marks)

(i) _____

(ii) _____

16. Differentiate the milk secretion reflex from milk let down reflex. (2 marks)

17. Mention **three** common problems during pregnancy. (3 marks)

(i) _____

(ii) _____

(iii) _____

SECTION C: (40 MARKS)

Answer **ALL** questions in this section in the spaces provided at the end of section **C**:

20. (a) Discuss **three** disadvantages of using charcoal as a fuel. (6 marks)
- (b) Explain **three** disadvantages of using left-over foods. (6 marks)
- (c) Giving **two** examples in each explain the difference between case goods and upholstered furniture. (4 marks)
- (d) Briefly describe **four** modern methods of preserving foods for commercial use. (4 marks)
21. (a) Explain the **four** monosaccharide sugars. (8 marks)
- (b) Use the table **below** to show the differences in signs and symptoms of wet beriberi and dry beriberi. (8 marks)

| Wet beriberi | | Dry beriberi | |
|--------------|--|--------------|--|
| 1. | | 1. | |
| | | | |
| 2. | | 2. | |
| | | | |
| 3. | | 3. | |
| | | | |
| 4. | | 4. | |
| | | | |
| | | | |

- (c) State **four** ways of take care of the sunks. (4 marks)
22. (a) State **six** qualities of a well made cuff. (6 marks)
- (b) Explain **four** points to be observed strictly when taking body measurements. (8 marks)
- (c) Using clear diagrams illustrate the procedure of working an open seam. (6 marks)

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