

441/1

— **HOME SCIENCE** — **Paper 1**  
**(THEORY)**



**Apr. 2021 – 2½ hours**

Name ..... Index Number .....

Candidate's Signature ..... Date .....

**Instructions to Candidates**

- (a) Write your name and index number in the spaces provided above.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) This paper consists of **three** sections; **A**, **B** and **C**.
- (d) Answer **all** the questions in section **A** and **B** and any **two** questions from section **C**.
- (e) Answers **must** be written in the spaces provided.
- (f) **This paper consists of 16 printed pages.**
- (g) **Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**
- (h) **Candidates should answer the questions in English.**

**For Examiner's Use Only**

Section	Questions	Maximum Score	Candidate's Score
A	1 – 21	40	
B	22	20	
C		20	
		20	
Total Score		100	



**SECTION A** (40 marks)

*Answer **all** the questions in this section in the spaces provided.*

1. List **four** materials that are suitable for packing foods. (2 marks)

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2. Identify **two** signs and symptoms of anaemia. (2 marks)

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3. Highlight **one** benefit of thawing frozen foods thoroughly before cooking. (2 marks)

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4. State **two** ways of conserving vitamin C during storage. (2 marks)

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5. Differentiate between batter and dough in cookery. (2 marks)

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6. Identify **two** types of skin infections caused by poor personal hygiene. (2 marks)

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7. Give the meaning of the term adolescence. (2 marks)

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8. Describe the term immunisation. (2 marks)

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9. Identify **two** types of drainage used in the home. (2 marks)

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10. Identify **two** symptoms of hookworm infestation. (1 mark)

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11. Identify **two** surfaces that are best cleaned using the scrubbing method. (2 marks)

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12. State **two** ways in which desirable habits in children are formed. (2 marks)

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13. State **four** pieces of information that should be included in an invoice of goods sold. (2 marks)

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14. Give the meaning of the term consumer protection. (2 marks)

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15. List **four** methods of removing dirt from surfaces. (2 marks)

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16. List **two** special treatments given to garments after washing. (2 marks)

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17. Identify **two** classifications of natural fibres. (2 marks)

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18. Name **two** garments where the use of in-seam pockets would be appropriate. (2 marks)

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19. State **two** points that should be observed to ensure that cutting out scissors work effectively. (2 marks)

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20. Give **two** types of permanent hand stitches used to make a boy's pair of shorts. (1 mark)

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21. Identify **four** pattern pieces that you would draft in preparation for making an apron. (2 marks)

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Lined writing area with horizontal dotted lines.

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A series of horizontal dotted lines for writing, consisting of 20 lines.



Handwriting practice lines consisting of 20 horizontal rows. Each row is formed by a solid top line, a dashed middle line, and a solid bottom line.





Handwritten notes on lined paper:

1.  $\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$

2.  $\frac{2}{3} \times \frac{5}{6} = \frac{2 \times 5}{3 \times 6} = \frac{10}{18} = \frac{5}{9}$

3.  $\frac{3}{4} \times \frac{2}{5} = \frac{3 \times 2}{4 \times 5} = \frac{6}{20} = \frac{3}{10}$

4.  $\frac{4}{5} \times \frac{1}{2} = \frac{4 \times 1}{5 \times 2} = \frac{4}{10} = \frac{2}{5}$

5.  $\frac{5}{6} \times \frac{3}{7} = \frac{5 \times 3}{6 \times 7} = \frac{15}{42} = \frac{5}{14}$

6.  $\frac{6}{7} \times \frac{4}{8} = \frac{6 \times 4}{7 \times 8} = \frac{24}{56} = \frac{3}{7}$

7.  $\frac{7}{8} \times \frac{2}{9} = \frac{7 \times 2}{8 \times 9} = \frac{14}{72} = \frac{7}{36}$

8.  $\frac{8}{9} \times \frac{1}{3} = \frac{8 \times 1}{9 \times 3} = \frac{8}{27}$

9.  $\frac{9}{10} \times \frac{5}{11} = \frac{9 \times 5}{10 \times 11} = \frac{45}{110} = \frac{9}{22}$

10.  $\frac{10}{11} \times \frac{3}{12} = \frac{10 \times 3}{11 \times 12} = \frac{30}{132} = \frac{5}{22}$



Lined writing area with horizontal lines and a dashed midline.



Handwriting practice lines consisting of 20 horizontal dotted lines.



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Handwriting practice area consisting of 20 horizontal dotted lines.

**THIS IS THE LAST PRINTED PAGE.**

*Kenya Certificate of Secondary Education, 2020*

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