Name:………………………………………………………………………………………… Index No………………………………

 Candidate’s signature………………

441/1

HOME SCIENCE

Paper 1

(Theory)

**PAVEMENT FORM 4 TRIAL 1 EXAMINATION 2022**

**Kenya certificate of secondary education (K.C.S.E)**

**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 the questions in section* ***A*** *and* ***B*** *and any two questions from section* ***C*** *in the spaces provided.*

  **For Examiner’s use only**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum** **score** | **Candidate’s** **Score** |
|  **A** |  1-19 | 40 |  |
|  **B** | 20 | 20 |  |
|  **C** |  | 20 |  |
|  | 20 |  |
|  **Total score** |  **100** |  |

**SECTION A** (40 MARKS)

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

1. State ***Two*** ways in which home science is beneficial to the family. **(2 Marks)**

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State ***Two*** improvised laundry storage facilities. **(2 Marks)**

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give ***Three*** objectives of first aid.  **(3 Marks)**

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………...

1. Give ***One*** reason for doing each of the following during cleaning. **(3 Marks)**
2. Overlapping sections of the floor when scrubbing.

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Smoking a pit latrine during weekly cleaning.

……………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Leaving floor for a while after polishing.

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State ***Two*** advantages of melamine. **(2 Marks)**

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Outline ***Three*** causes of hypertension. **(3 Marks)**

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. List ***Four*** sources of consumer information. **(2 Marks)**

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. List ***Four*** reasons why babies cry. **(2 Marks)**

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Give ***Two*** reasons why smocking is used in garment construction. **(2 Marks)**

…………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give ***Two*** measures which may prevent the occurrence of head lice. **(2 Marks)**

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Give ***Two*** disadvantages of using hot water for cleaning wooden surfaces. **(2 Marks)**

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1. Mention ***Two*** limitations of linen. **(2 Marks)**

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State ***One*** advantage and **one** disadvantage of buying goods using credit cards. **(2 Marks)**

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give ***Two*** common skin problems that may affect babies. **(1 Mark)**

………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Identify ***Two*** causes of hard and tough pastry. **(2 Marks)**

…………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Highlight ***Two*** differences in the diet of lactating and non-lactating mothers. **(2 Marks)**

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State ***Three*** precautions which can prevent diarrhoea in babies. **(3 Marks)**

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Spandex is an example of ……………………………………………………fibres. **(1 Mark)**
2. Outline the four basic ingredients of a multi-mix as used in weaning. **(2 Marks)**

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**SECTION B** (20 Marks)

**(COMPULSORY)**

*Answer* ***question 20*** *in the spaces provided.*

1. a) Giving reasons outline the procedure you would use to launder a pair of woolen socks.

 **(14 Marks)**

 b) Describe the correct procedure of thorough cleaning a plastic comb. **(7 Marks)**

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**SECTION C**  (40 marks)

*Answer any* ***two*** *questions from this section in the spaces provided after question 23.*

1. a) An outbreak of bilharzia has been reported in one of the swampy areas in the country.

 (i) Outline ***Four*** signs and symptoms of the disease. **(4 Marks)**

 (ii) State ***Four*** measures that should be taken to prevent the disease. **(4 Marks)**

 b) Explain the abbreviation RICE as used in the management of sprains. **(4 Marks)**

 c) Explain ***Four*** ways through which fibre content determines laundry processes. **(4 Marks)**

1. a) State ***Four*** reasons why buffet type of meal service is suitable for a large number of guests.

 **(4 Marks)**

 b) Discuss ***Four*** ways of conserving nutrients when cooking vegetables. **(8 Marks)**

 c) State ***Four*** differences between kwashiorkor and marasmus. **(4 Marks)**

1. 23. a) Discuss ***Five*** points to consider when choosing fastenings. **(5 Marks)**

 b) (i) State ***Three*** advantages of a hand sewing machine. **(3 Marks)**

 (ii) Explain ***Three*** preparations on a sewing machine in readiness for stitching. **(3Marks)**

 c) With the aid of ***Two*** well labeled diagrams, describe the procedure of making a plain seam.

 **(9 Marks)**

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