**AMUKURA PARISH**

**Kenya Certificate of Secondary Education 2021**

**HOMESCIENCE FORM 4**

**PP 1 THEORY**

**MARKING SCHEME**

1. ***What is a dessert? Give one example. (1mk)***

A sweet dish served at the end of the main meal to dull the appetite .e.g a piece of a cake, sweets etc.

1. ***State two symptoms of a two-year –old child suffering from choking. (2mks)***

* Difficulty in breathing/speaking
* The person looks faint and may be unconscious due to lack of oxygen
* Signs of distress may be noticed and tears may flow down the cheeks.
* Skin turns blue or grayish-blue.

1. ***Mention two disadvantages of using old blanket pieces for floor mops. (2mks)***

* Less absorbent
* Leaves fluffs/may fray if not neatened.
* May be weak hence may not last long

1. ***Give two advantages of being able to draft your own patterns for garment construction.***  (2mks)

* Cheap
* Alterations can be easily made
* Make well-fitting garments.
* Encourages creativity

1. ***Explain why vitamin D deficiency is not common in most parts of Kenya. (2mks)***

* Most industrial products are fortified with vitamin D.eg margarine.
* Sunlight is in abundance in many parts of Kenya.
* Milk is also rich in vitamin D and main food for most babies.

1. ***Give two reasons why lemon juice is sometimes added to fruit salads. (1mks)***

* To add flavour.
* To avoid darkening of some fruits.
* Source of vitamin c.
* A preservative

1. ***Other than burning test, state two ways of identifying textile fibres. (1mk)***

* Feeling test
* Washability test
* Microscopic test

1. ***List four preparations to make on a fabric before laying out patterns. (2mks)***

* Graining the fabric
* Pre-shrinking
* Ironing to remove creases.
* Checking for faults.
* Stentering

1. ***Why is soup an integral part of an invalid diet? (1mk)***

* Provides warmth when served hot
* Soup is easily digested
* Aids in digestion
* Stimulate appetite
* Replenish lost fluids in the body through vomiting, diarrhea etc.
* To reduce fatigue of chewing since some fluids are foods like soup.

1. ***When some accidents occur in the home, a doctor must be consulted immediately. Identify two such accidents and explain why the doctor should be consulted. (2mks)***

* Bites caused by poisonous snake and animals-the poison is fatal.
* Multiple stings caused by insects such as bees that has caused much swelling.
* Deep cuts that causes excessive bleeding- can become anaemic.

1. ***Irene was machine stitching her apron then the needle broke suddenly. Give two causes for this. (2mks)***

* bent needle
* Needle not screwed tightly in position
* Presser foot too loose
* Pins left in the work
* Removal of work from front by pulling
* Too heavy fabric used for the needle
* Stitching over zips teeth.

1. ***Explain briefly the meaning of housing the family. (1mk)***

* Refers to providing shelter for the family and their possessions.

1. ***(i) Define a stitch? ( ½ mks)***

* A stitch is made by putting a needle and thread in and out of a fabric.

(ii)State **two** qualities of a well made stitch. (1 mks)

* With good density
* Good tension
* Neat joining-no gaps
* Neat beginning
* Neat ending
* Fastened at the beginning and the end.
* Straight stitchery and well curved.

1. ***List down two details that are included in a label for any commercially made garment.***  (1mk)

* Type of fibre
* Laundry information
* Brand name/manufacturer
* size

1. ***Mention three classifications of washing machines. (1 ½mks)***

* Machine with wringer
* Twin-tub
* The semi-automatic
* Fully -automatic

1. ***Suggest three advantages of making a budget. (1 ½ mks)***

* Acts as a guide to wise purchasing
* Enables one to give priority to essentials
* Enables families to set priorities on present and future needs.
* Provides a basis for analyzing the family needs.
* Enables families to live within their means.
* Families complement the income
* Provides psychological satisfaction to all family members.

1. ***Give two reasons for artificial feeding. (2mks)***

* Death of the mother
* The mother is sick from infectious disease.
* Successive births
* Insufficient breast milk
* If the mother works away from home
* Multiple births
* Provides nutrients that are not present in breast milk.

1. ***Differentiate between indirect and semi-direct methods of lighting. (2mks)***

* Indirect-in this method the light is thrown onto the ceiling and the rays are deflected and distributed to the whole room while in semi-direct lighting light is provided for tasks that do not demand high visual concentration.e.g shades, translucent bulbs.

1. ***Give two reasons why fullness is introduced in garment during construction. (2mks)***

* To provide decorative features to the body figure
* To provide a define shape to the garment.
* To give allowance for accommodating extra size.
* To hide body figure faults.

1. ***State two common methods of buying goods and services. (2mks)***

* Cash buying
* Credit buying

1. ***Your sister has taken up modeling as a career. She has been starving herself and inducing vomiting after feeding in order to slim. What disorder is she suffering from? (1mk).***

* Anorexia nervosa
* Bulimia

1. ***State two possible causes of large holes in a rubbed in cake mixture. (2mks)***

* Mixture transferred in small portions
* Insufficient rubbing in

1. ***Give one reason for each of the following practices in cleaning. (2mks)***
2. Cleaning a glass window from outside to inside

* To enhance thorough cleaning

1. Scrubbing a wall from down up

* To avoid dirt from drying on the wall
* To avoid tearmarks

1. Sweeping with long low strokes

* To avoid raising dust and leaving dirt patches/pockets.

1. Pouring hot water down a kitchen sink drain.

* To disinfect the sink
* To get rid of bad smells.
* To melt fat/grease in the sink pipe.

1. ***Give two reasons for fitting airbricks on the outer wall of a room. (2mks)***

* To ventilate the room
* To add to the aesthetic value of the house.
* To provide natural lighting.

1. ***State four disadvantages of the corridor plan arrangement. (2mks)***

* Maintenance of cleanliness may be difficult.
* Food contamination is likely due to high traffic.
* There is no work triangle hence disorganization
* Time and energy lost due to too much movement.

**SECTION B (20MARKS) This is a compulsory question.**

1. ***Your family is planning to visit and spend a weekend with relatives at a campsite. Giving reasons, describe how you would:***
2. ***Cleaning a paraffin stove.***

**Collection of equipment and material required.**

* + 1. Protect the working surface
    2. Remove the movable parts
    3. Empty the paraffin
    4. Remove the wicks
    5. Dust with a dry duster
    6. Wash using warm soapy water
    7. Remove stains using mild abrasive
    8. Rinse severally using warm water
    9. Dry with a clean dry cloth
    10. Buff to shine
    11. Wash the wicks in hot soapy water
    12. Rinse in warm water
    13. Final rinse in cold water
    14. Dry in the sun
    15. Trim the wicks
    16. Refill with paraffin
    17. Replace the wicks and the movable parts **9mks**
    18. Cleaning all equipment used and store appropriately.

**Any well written points, systematically.**

***b) Launder your nylon raincoat in readiness for camping. (7mks)***

* Soak (½) in cold water (½) for a short time
* Wash in warm soapy water (½) using kneading and squeezing method(1/2)to remove all traces of dirt(1/2)
* Rinse severally in warm water (½)
* Rinse in cold water(½)
* Add fabric conditioner in the final cold rinse (½)
* Drip dry (½) in the shade(½)
* Iron using warm iron (½) on the W.S.
* Air to dry completely(½)
* Fold (½) and store in a clean dry place. (½)

***c) Clean an aluminum cooking pan (4mks)***

* + - Rinse/soak in clean water.
    - Clean in warm soapy water using abrasive/steel wool.
    - Clean in the same direction.
    - Rinse in warm water
    - Wipe to dry using non fluffy dish cloth or drip on a rack then dry later.

**SECTION C (40 MARKS)**

**Answer any two questions in this section.**

***27.a) Using well-labeled diagrams explain how you would prepare an interfaced waistband with an extended facing in readiness for attachment. (10mrks)***

* Cut the waistband on straight grain or according to the pattern. The piece should be twice the width of the waistband plus seam allowance on both sides. The length should be the size of the waist plus an extension for fastening.
* Cut an interfacing that is equal to the width and length of the waistband, but equal in length.
* Attach the interfacing onto the WS of the band.
* The stiffening should cover the seam allowance.
* With the RS together, tack or baste the waist band and machine stitch both ends.
* Trim the turnings and cut off diagonally at the pointed ends.
* Trim and snip where necessary.
* Turn the waistband onto the RS and press along the fold line.
* Complete the skirt /trouser seams and opening

**Diagrams-3mks**

**Correct explanation-7mks**

***b) A well-drained house is a comfortable house to live in. Explain five points to support the above statement. (5mks)***

* It prevent diseases; dirt harbors’ germs that cause diseases.
* Breeding grounds for pests will be destroyed hence the house is free from pests.
* It provides psychological satisfaction to those living in it.
* The house is free from stains/dirt and thus comfortable to live in.
* The house is free from bad odours.

***c) Outline five reasons why it is advisable for women to deliver in the hospital. (5mks)***

* Hospital delivery minimizes before and after delivery complications such as physical and mental damage to the mother and the baby.
* There is plenty of qualified staff to assist in case of an emergency.
* Hospitals have facilities for emergency delivery.
* It provides the best environment as it is clean; visitors are controlled, at the critical stage when both the mother and the baby are likely to be contaminated with other diseases.
* The mother can have enough rest, and both she and her baby are well-taken care of.
* The mother feels safer psychologically.
* Baby will receive immunization immediately.
* The mother will also be trained on child care and proper hygiene.

***28. a) Define;***

**(i) A raising agent**- Is a substance added to flour mixtures to make them rise during cooking or make flour light. (1mk)

***(ii) Give the three ways of introducing raising agents into flour mixtures. (3mks)***

* Mechanical method
* Biological method
* Chemical method
* Physical method

***b) Explain six ways of introducing air into flour mixtures mechanically.*** (6mks)

* Sieving
* Creaming
* Beating
* Whisking
* Rubbing-in
* Folding

***c) With the aid of two clearly labeled diagrams, show the front and the back measurements required for making a blouse with long sleeves. (8mks)***

***d) State two characteristics of a well- made seam. (2mks)***

* Neat on both sides of work to enhance appearance.
* Firmly stitched therefore durable
* Has even width
* Well pressed
* It is flat and comfortable where used
* Is an inconspicuous as possible on the RS unless a decorative effect on the RS is desired
* Accurately made, observing seam allowance and fitting line so that the drape and shape of the garment is maintained.

***29. a) Give five points on how to ensure the purchase of quality goods by consumers.***  (5mks)

* Buy from reliable and approved dealers who offer quality items.
* Test and check for good condition and performance of an item before buying
* Ensure high quality standards of goods by insisting on a warranty guarantee of a given time.
* Use locally manufactured goods as they are of good quality and also help to offer employment.
* Check the expiry date.
* Check for any defect.
* Insist for an instructional manual
* Insist for a receipt to show payment.

***b) Explain five considerations to make when furnishing a sitting room. (5mks)***

* The existing décor
* The size of the room and effect desired.
* The likes and dislikes of the occupants.
* Person using the room-the age of the person should be considered .if the person has any disability it will affect the type of furniture in the room.
* The family’s way of life- if the family entertains a lot they may require certain types of furniture e.g larger and more chairs.

***c) State five precautions to take when caring for the sick to avoid the spread of infection. (5mks)***

* Person minding the sick should wear clean protective clothing.
* Personal effects of the sick should be soaked in disinfected water before they are washed.
* Any repairs done should be after laundry.
* Washed clothes should be dried outdoor/ and ironed to kill germs.
* Feeding equipment should be washed separately and disinfected.
* Protective clothing of the person minding the sick should be washed and disinfected separately from the other family washing.
* Person minding the sick should wash hands frequently, with clean disinfected water.
* Tissue papers better than handkerchiefs if they can be afforded.
* Handle any blood or body fluid - stained items cautiously as they may be contaminated with germs.
* Room where the patient is should be well lit and be well ventilated.
* Ensure that the patient is clean all the time.
* Keep children away from this room.
* Keep pets away from this room.

***d) State five qualities of a well made round bottom patch pocket. (5mks)***

* Accurately located and shaped.
* Stitching should be accurate, even, straight and close to the edge.
* Reinforced at the mouth to prevent tearing
* They should be flat and neat.
* Bottom well trimmed and clipped to avoid bulk.
* Of correct size
* The mouth should be wide to allow the hand move in and out freely.
* The pocket should be deep enough to hold the contents.