**MINCKS EXAM END OF TERM 2 2022**

**FORM4 P1 HOME SCIENCE**

**MARKING SCHEME**

1. Give two reasons for buffing the floor after polishing. (2 mks)

* To give a glossy appearance
* To remove excess polish

1. State two advantages of flats/apartments.

* The family is safe from breakings
* Land is utilized more economically
* Building materials are utilized more economically

1. Advantages of using convenience foods.

* Quick and easy to prepare
* Ensure availability when food is out of season
* Easy to store & transport
* Handy for emergencies and unexpected guests

1. Factors that would affect the efficiency of a laundry detergent soap.

* Temperature of water
* Type of water (soft/hard)
* Mechanical action applied
* Types of builders added
* Degree of soiling of the article

1. Importance of habit training. (2 mks)

* Makes the child responsible
* Helps children to be independent
* Makes children socially acceptable
* Boosts children self confidence
* Habits like regular baths, exercise promote good health

1. Dangers that may result from using antiperspirants. (2 mks)

* Irritation /allergic reaction/rashes
* Clogging of pores resulting to infections
* Cancer of the skin.

1. List any two vegetable fabrics used for making brooms. (2 mks)

* Bass
* Bassive
* Coconut palm
* Sisal

1. State two undesirable properties of asbestos as a roofing material. (2 mks)

* They ate expensive
* Discharge poisonous impurities so that are collected by the rain water
* Note reading available
* Has invisible micro-organisms which when released in the air can cause life threatening diseases if inhaled.

1. List for cases of undernourishment. (2 mks)

* Kwashiorkor
* Marasmus
* Scurvy
* Rickets
* Beriberi
* Pellagra

1. Give two cause of fabric not moving during machine stitching. (2 mks)

* The feed dog may be lowered
* Insufficient pressure excited by the presser foot
* Fabric may be too thick

1. Highlight two possible causes of a cake cooked on two outside but uncooked on the inside? (2 mks)

* Cake placed too high in the oven
* Too high temperatures used
* Baking tin of light weight materials
* Consistency being too
* Inadequate Raising agent

1. Give two qualities of a good palette knife. (2 mks)

* Should have a firm handle
* Should be flexible
* Should be made of rust-free material
* Should have a smooth
* Should have a rounded edge

1. Give three reasons that make polythene bags suitable for storing food in the refrigerator.

* They protect the food from dehgetration
* They prevent mixing of flavours in stored foods
* They are non-toxic and therefore safe to store foods in.

1. State three factors that may influence consumers to buy second hand clothes. (3 mks)

* Relatively cheap
* Unique in style and design
* Comes in high quality fabrics
* Readily available

1. Name two types of facings (2 mks)

* Extended facings
* Fitted/shaped facings

1. State two reasons for using tomatoes in beef stew. (2 mks)

* To add nutritive value(vitamins)
* Improve colour
* Tenderize meat

1. State two reasons why a vacuum cleaned dust bag must be emptied regularly. (2 mks)

* To prevent strain of the motor/wearing out quickly
* To prevent wearing out quickly
* To prevent tearing of the dirt bag

1. Name three areas in a house where high polishing should not be done. (3 mks)

* Kitchen - bathrooms
* Stair cases - toilets
* Corridors - laundry room
* Play room

**SECTION B: 20 MARKS**

**COMPULSORY**

1. You are travelling home to visit your grandmother. Describe how you would help her carry out the following tasks.
2. Clean her hull cane lamp.

* Collect equipment and materials ( ½ ) to use
* Protect ( ½ )the working surface to avoid stains
* Dismantle ( ½ )the lamp and remove the movable parts
* Empty ( ½ ) the paraffin into a dry container
* Dust ( ½ ) the lamp using a dry fluffy cloth
* Use a stick to remove soot ( ½ )from the metal chimney vent holes
* Use warm ( ½ ) soapy ( ½ ) water and a soft abrasive ( ½ ) to clean the lamp starting with a metal chimney
* Clean the whole lamp taking care that water does not enter the paraffin reservoir
* Use warm ( ½ ) water and a clean duster to rinse( ½ ) the whole lamp
* Dry ( ½ ) it with dry non-fluffy material to remove all traces of water and to avoid water marks
* Clean the glass chimney in warm soapy ( ½ ) water gently with a soft cloth
* Rinse ( ½ ) in warm ( ½ ) water severally to remove all the soap
* Keep the chimney in a safe place to( ½ ) dry use a dry cloth to buff ( ½ ) the lamp and the glass chimney
* Rinse the oil reservoir with a little oil.( ½ )
* Reassemble ( ½ )the lamp.
* Refill ( ½ ) the lam with paraffin
* Keep ( ½) the lam in a safe place
* Clear ( ½ ) the working area.

1. x ½ = 12 mks)

19(b)Launder her polyester blouse. (8 mks)

* Collect equipment and materials( ½ ) to use
* Shake ( ½ ) the garment to get rid of loose dirt
* Wash in warm( ½ ) soapy ( ½ ) water using kneading and squeezing ( ½ ) method
* Rinse in warm ( ½ ) water thoroughly
* Final rinse cold ( ½ ) water into which a fabric conditioner ( ½ ) has been added to prevent static electricity
* Drip dry ( ½ ) on a clothesline under a shade( ½ ) and secure with pegs
* Press ( ½ ) with a warm( ½ ) iron on the wrong side
* Air to( ½ ) freshen, fold ( ½ ) and store ( ½ ) appropriately
* Clean the equipment and materials( ½ ) used and store them.

(16 x ½ = 8 mks)

**SECTION C 40 MARKS**

**Choose *ANY TWO* questions from this section**

20(a) Reasons for using soft furnishings in the home, and give an example in each case (10 mks)

* ***For comfort***: when one is sleeping/sitting pillows and cushions are used to support the baby
* ***For protection***: Loose chair covers and bedcovers are used to protect expensive upholstered goods
* ***For easy maintenance*** – loose covers are easier and cheaper to launder than dry cleaning upholstery and blankets
* ***For privacy***: curtains screen the windows during the night and day time hence providing privacy
* ***Filtering excessive light***: curtains filter and control the amount of light entering a room
* ***Warm and reduction of*** noise: carpets reduce noise and add warmth to a room
* Improving the appearance of an unattractive
* ***Furniture –*** loose covers can be used to cover ugly upholstery and enhance the room appearance
* ***For decoration***: if colours are well chosen to be in with the colour scheme of a room the appearance of the room will be enhanced

(b)Explain three disadvantages of open drainage in an area. (6 mks)

* They pose danger to people and domestic animals as they can in them
* They can be smelly and unsightly if not constantly cleaned.
* They cause soil erosion because edges of uncemented drainage continuous to wear out
* They can be breeding place for mosquitoes
* They can cause stagnant water/floods which can cause accidents as people and animals can drawn in them.

(c ) Mention four reasons why labels are important to a consumer. (4 mks)

* Manufacture and expiry dates are indicated thus consumer is protected from expired goods
* Ingredients used are indicated thus/consumers is able to make informed decision
* Labels give instructions on how to use the products
* Labels give instructions on how to use the products
* Labels give instructions on the care of the product
* Labels help the consumer to avoid dangers which could result from improper handling of product
* Labels furnish the consumer with information required such as weight of the product thus saving time and energy while shopping.

21(a) state six precautions to take when using an electric appliance in the home . (6 mks)

* Have electrical appliances well insulated
* Replace damaged wires
* Avoid touching electrical switches with wet hands
* Turn off switches when not in use
* Avoid using defective appliances
* Following manufacturers’ instructions
* Avoid overloading the gadgets

(6x1= 6 mks)

1. State five activities to be observed in the management of amoebic dysentery. (5 mks)

* Proper disposal of human waste
* Treatment of water for domestic use
* Proper storage of food
* Observing strict personal hygiene
* Thoroughly cooking food
* Wash utensils well

( 5 x 1= 5 mks)

1. Mention five points to consider when looking after a sick person at home. (5 mks)

* The room should be as comfortable as possible /clean/warm /not noisy
* The sick person should not be disturbed unless it is absolutely necessary
* The room should be well ventilated
* Room should be well lit
* Observe strict personal hygiene
* Give a well balanced diet
* Give a lot of nutritious drinks
* The number of visitors should be minimized.

(5 x 1=5 mks)

1. State four qualities of a well made in seam pocket. (4 mks)

* Have firm /strong stitchery
* The pocket should lie flat to avoid bulkiness
* The pocket should face the from side of the garment for ease of use
* Pocket is reinforced at the mouth
* The pocket grain and that of the garment should match to give good shape for the wearer’s hand to enter it easily
* The pocket bag should be well neatened to avoid fraying
* Pocket bag should be deep enough

(4 x1= 4 mks)

22(a) Explain four measures a person handling food should take to ensure that food does not get contaminated. (8 mks)

* Cover the head while cooking
* Keep fingers nails shorts
* Wash hands thoroughly using soap and water
* Avoid licking hands while cooking
* Avoid handling food for if has an infectious diseases

4 x 2= 8mks)

22(b) Explain four factors to consider when choosing a toy for a four year child. (8 mks)

* Should not have sharp or pointed parts because they can injure the child
* They should not be two small so as to prevent the child from putting them in the mouth and swallowing
* Should be made from non-poisonous materials as this is dangerous
* should be well constructed to avoid dismantling easily
* should be made of materials that are easy to clean for hygienic purposes
* should be suitable for the age so as to be relevant to the child
* Should be attractive in colour and design so as to win the interest of the child.

(4 x 2= 8 mks)

22( c) Functions of the Kenya Consumer Association. (4 mks)

* To protect the interest of the consumers
* To keep consumers informed on matters of interest to them
* To handle consumer’s complaints
* To guard against dumping of harmful and worthless goods in the market
* To promote consumer information awareness.

(4 x 1= 4 mks)