**HOMESCIENCE PAPER 1 THEORY**

**MARKING SCHEME**

1. **Four sources of Vit. C**

* Citrus fruits e.g. lemons, oranges, guavas, passion fruits, pineapples etc.
* Fresh green leafy vegetables e.g. spinach, kales, pumpkin leaves, cowpeas and amaranthas etc. any 4x1/2 (2mks)

1. **2 Infectious diseases through sharing bath towels.** (2mks)

* Ringworms
* Scabies
* Athletes foot
* Dandruffs

1. **3 functions of gathers on garments.**  (3mks)

* Provides a good fit/size
* Gives shape to the garment
* Provides fashion features/style
* Provides a decorative effect

1. **3 reasons for facing a garment (3mks)**

* To neaten raw edges
* To decorate the garment
* To provide enough thickness for attaching fasteners.
* Give shape and body where required.

1. **Any 3 suitable situations when convenience foods are served. (3mks)**

* Unexpected guests.
* Packed meals for travel.
* Entertaining occasions

1. **4 methods of disinfecting clothes other than chemicals.**

* Steaming
* Boiling
* Sun drying
* Ironing hot
* Use of salt

1. **3 benefits achieved by a child playing with toys. (3mks)**

* Gains confidence
* Gains manipulative skills
* Gains creative
* Intellectual development
* Develops inter-personal skills
* To become more responsible.

1. **3 ways of improving the efficiency of a detergent. (3mks)**

* Warming the washing water
* Softening hard water
* Applying mechanical agitation
* Starting with less soiled articles.
* Avoid using too much washing water.

1. **a) 4 suitable qualities for a cushion (2mks)**

* Strong and durable
* Crease resistant
* Attractive design
* Fast coloured
* Shrink resistant
* Resistant to abrasion
* Matching colours
* High affinity for dyes.

b**) Two activities at the ante-natal clinic. (2mks)**

* Checking the blood pressure.
* Checking sugar and protein in the urine
* Establishing the level of iron.
* Monitoring the weight.

1. i) **Basting:-** Is done to moisten meat and other foods with fat or dripping juice during roasting to keep it moistened.

ii) **Blending:** Is mixing smoothly e.g. blending mixtures of different fruits to form juice or mixing flour mixtures with liquid to form a smooth consistency for a cake or batter.

**iii) Simmering:** To cook food gently at a point just below the b.p. eg. When stewing tough cuts of meat.

1. **Two signs of a well groomed person.**

* Baths daily
* Wears clean well repaired clothes.
* Neat hair
* Good interpersonal skills
* Has good posture.

1. **Three ways of identifying one’s skin type:**

* By use of tissue papers.
* Presence of oily patches indicates an oily skin.
* The absence of oily patches on the tissue paper indicates a dry skin.
* Faint traces of oil on the tip indicates a normal skin. (3mks)

1. **Three points on improvising a tooth brush.**

* Twigs used are not poisonous.
* Appropriate size
* It is sterilized. (3mks)

1. **Two roles of salt when washing handkerchiefs.**

* To kill germs
* To dissolve mucus
* To fix/control loss of colour (2mks)

1. **Two causes of suffocation.**

* Plastic bags
* Breathing in poisonous gas.

**SECTION B - (20 MARKS)**

16.a) **Cleaning a hurricane lamp**

* Protect the working surface with newspapers to avoid staining.
* Remove all movable parts and remove oil
* Clean the glass in warm soapy water taking care not to bang it.
* Rinse the in warm water and leave to dry completely.
* Clean the metal chimney inside and out to remove soot and stains.
* Clean the vent holes using a brush to remove slot.
* Dry all part completely to avoid formation of stains and rust.
* Return the glass and refill the oil tank ready for use.
* Trim the wick evenly and test if its working well.
* Clean the equipment used.

**b) Cleaning a painted wall**

* Collect cleaning equipment and material.
* Remove wall hangings and pictures to provide clear space.
* High dust the walls and ceiling and low dust paying attention to the skirting board
* Using warm soapy water and sponge clean the walls lengthwise, small portions at a time.
* Work from low levels going upwards to avoid tear marks. Use mild abrasive to remove stubborn stains.
* Rinse with warm clean water starting from top coming downwards to remove soap and dirt, overlap sections to ensure thoroughness.
* Dry with a clean dry cloth.
* Wipe skirting board using warm water, rinse thoroughly to remove soap and dirt dry with a dry cloth.
* Clean all equipment used. (8mks)

**c) Cleaning a polished wooden stool**

* Collect cleaning equipment and materials
* Dust thoroughly to remove loose dirt .
* Clean with warm soapy water using a soft cloth.
* Remove stains with a damp cloth.
* Rinse with a dry clean cloth, rubbing hard to keep surface well polished.
* Apply polish evenly with a rag.
* Leave to dry
* Buff to shine (6mks)

**SECTION C (40MARKS)**

17. a) **Factors to consider when renting a house.**

* Family income to rent a house that is affordable without straining family resources.
* Size of the family in relation to the size of the house to accommodate the family adequately.
* Family composition to ensure different family members are accommodated.
* Nearness to place of work or schools. It should be near or easily accessible to place of work or school to avoid spending too much money on transportation.
* Neighbourhood or the social environment should be considered in term of security, cleanliness e.t.c. to ensure comfort while living in the area.

**b) Points to look for when choosing a broom**

* Buy brooms suited to the purpose such as soft or hard bristles for cleaning and sweeping to enable effective use.
* Handle should be smooth and comfortable length to ensure comfort in use.
* Should be light in weight to ensure comfort in use.
* The head should be firmly tied to the handle to ensure durability.
* The head should have a hole or a depression for hanging for easy storage.
* The head should be smooth and curved at the edges to avoid damaging the furniture.
* Wooden parts should be appropriately finished for easy cleaning.

c) **Removing a mildew stain from a cotton fabric.**

* Apply a solution of potassium permanganate.
* Soak stain in oxalic acid to remove the stain.
* Bleach by dampening and drying in the sun.
* Repeat the process until all stain is removed
* Wash the normal way.

**d) Principles of food preservation**

* Removal of moisture, this inactivates germs and enzymes reducing their ability to cause spoilage.
* Application of heat destroys micro-organisms
* Adding sugar, salt acids and other chemical preservatives destroys the micro organisms.
* Reducing temperatures by freezing makes it impossible for micro-organisms to multiply and renders this inactive. Also inactivates the enzymes in food.
* Exclusive of oxygen makes it impossible for micro-organisms to grow and multiply.

**18. a) Uses of carrots in cookery**

* Garnishing – to add colour to improve appearance
* In vegetable salads.
* Enhance colour when cooked with other foods.
* Make soups as starter course e.g. carrot soup.
* Enhance nutritive value of the food.
* As an appetizer when eaten raw at the beginning of a meal.
* To add flavor when cooked with other foods.
* To make nutritious drinks e.g. carrot juice.
* Exercise teeth and jaws when eaten raw.
* Clean food particles after a meal.

b) **Why it is not advisable to buy a fridge on hire purchase.**

* Final cost paid increases from original as one has to pay the interest charged.
* It may wear out before the final payment is made.
* If one is unable to pay the monthly interest one will lose the refrigerator and the money already paid.
* Payments are not negotiable as when buying at cash.
* One misses joy of using the refrigerator fully until the whole amount is paid.

c) **Qualities of a well made cuff**

* Type of seam is appropriate to the type of fabric, the position of the seam, projected care of the garment, quality and design.
* Stitch length is appropriate to the fabric and the expected stress at the stitched location
* Gathers are uniformly distributed
* The interfacing.

**Refer to Focus Bk 4**

**d) Functions of the given bedding items**

**water proof sheet –** Protect the mattress

**mosquito net:** Protect from insect bites

**blankets:** Keep warm in cool weather.

19. a) **Five dental rules;**

* Brush at least twice a day
* Floss once in a while.
* Rinse the mouth well after brushing
* Visit a dentist at least twice a year.
* Exercise the jaws.
* Eat a diet rich in calcium, phosphorous Vit A and C

b) **5 preventive measures of drowning:-**

* Small children should never be left unattended.
* Stored water in buckets should be covered.
* Pools round the house should be drained.
* Bathtubs should be left unplugged.
* Bathrooms should be locked.
* Ensure water taps are completely turned off.
* All manholes should be covered. (5mks)

c) **Preparation and attachment of a squared patch pocket. (10mks)**

* Press the seam allowance of the pocket side(1/2) to the w.s(1/2)
* Prepare the pocket hem by edge stitching the raw edge (1/2) and tack in position.
* Fix the hem using appropriate stitches.
* Press the seam allowance of the lower edge leaving the mouth of the pocket open.
* Place the pocket on the garment and pin into correct position.
* Tack the sides and the lower edge leaving the mouth open.
* Remove pins and machine the pocket close to the fold, strengthen the top of the pocket.
* Remove tackings and press flat. (6mks)

Well explained plus any relevant diagrams (4)