**FORM 2**

**OPENER EXAMINATION TERM 3, 2022**

**HOME SCIENCE EXAMINATION**

**TIME: - 2 HOURS**

**MARKING SCHEME**

**INSTRUCTIONS**

**Answer all the questions in section A and B and only 2 out of the three questions in section C.**

**SECTION A 40 MARKS**

1.State two points to remember when using deodorants. (2m)

* Body should be clean.
* Stop in case of allergies.
* Follow manufacturers’ instructions.
* Stop in case of skin irritation.

2. Give two points to consider when choosing a laundry brush. (2m)

* Bristles should be fairly and evenly fixed.
* Handle should be of convenient length.
* Handle in smooth and light in weight.
* Long lasting materials.

3. Give two reasons why hot water is not suitable for cleaning wooden surfaces. (2m)

* Softens the surface.
* Causes it to warp/swell.
* Causes discolouration/darknens.

4. State two precautions to take when cleaning aluminum. (2m)

* Do not use alkaline soaps.
* Avoid using harsh abrasives.
* Avoid sudden temps. changes.

5. Point out three causes of anaemia. (3m)

* Lack of iron in the body.
* Excessive bleeding.
* Malnutrition/poor feeding
* Manifestation of parasites.
* Lack of vit. C in the diet.

6. List down three reasons for using polythene bags for storing foods in a fridge. (2m)

* Protect food against dehydration.
* Non-toxic
* Food does not loose flavour.
* Protects from cross-contamination
* Moisture proof.

7. State the function of each of the following (2m)

 (i) Stiletto: - making holes and eyelets.

(ii) Bodkin: - Threading elastic cards etc.

8. Point out three advantages of traditional housing designs. (3m)

* Materials are readily available.
* Materials are cheap & locally available.
* Easy to build: no expertise needed.
* Take a short time/fast to build.

9. State two methods of disinfecting bath towels. (2m)

* Boiling.
* Hot sun drying.
* Use of chemicals, eg. Dettol.
* Steaming.
* Fumigation.

10. Give three ways of identifying warp threads in a woven fabric in the absence of a selvedge. (3m)

* Will not stretch when pulled.
* They are stronger than the wefts.
* They produce a sharper sound when tagged.

11. Point out three effects of poor rinsing of clothes.

* Soap stains.
* Discolouration of fabrics
* Weakening of fibres.
* Bad odour.

12. List down two advantages of fixing care labels on clothes and other household articles. (2m)

* Guides the consumer on how to launder.
* Assists the consumer on choice of articles.
* Aids professionals on the solvents to use.

13. Give two reasons for shaping shoes during storage. (2m)

* Retains their original shape.
* Prevents shrinkage.
* Keep them neat.

14. State two limitations of nylon clothes. (2m)

* Not absorbent.
* Produces static electricity.
* Forms piles when rubbed.
* White ones yellow with age.

15. Differentiate between sponging and spotting as special treatments in laundry work. (2m)

Sponging is cleaning a garment on the surface using a sponge or a bad wrung out of a solvent while

Spotting is cleaning a section of a garment using a sponge wrung out of a solvent without cleaning the rest of the garment.

16. Highlight two qualities of deep frying fat/oil (2m)

* Should have a high smoking point.
* Should not have a definite flavour.

17. Mention two forms of malnutrition in the society (2m)

* Overnourishment.
* Under nourishment.

18. Give the other name for vit. C (1m)

 Ascorbic acid.

**SECTION B – (20MKS) (COMPULSORY)**

19. You have been left at home during the elections day and you intend to carry out a few activities.

(a) Give the procedure of how you will launder you woolen jacket. (10m)

* Collect all items required.
* Take mments. & record; shake to remove dust, wash quickly in warm soapy water, kneading & squeezing mild detergent. Rinse thoroughly in warm water squeeze out excess water; Roll a clean towel.
* Dry flatunder shade; press, warm iron.
* Air fold & store in a wardrobe, hanger use naphthalene balls to prevent moths damages up---

(b) Clean a stained kitchen plastic bowl. (5m)

* Collect items required.
* Wash in hot soapy water using a soft cloth
* Use mild bleach or soak in lemon water.
* Rinse thoroughly in hot water.
* Dry completely and rub/buff with a soft cloth to shine ; store properly.
* Clear up -----

(c) Improvise a long-handled sweeping broom. (5m)

* Collect what is required.
* Use long grass or twigs.
* Take a long stick; curve to smoothen
* Tie with a string on the handle.
* Turn the grass make a 2nd tie’
* Trim the tips.

**SECTION C – 40 MARKS.**

**Answer only 2 questions in this section.**

20(a) Give one reason for each of the following practices in cleaning (5m)

1. Cleaning a glass window from outside to inside.
* To enhance through cleaning as dirt marks are clearly seem from inside.
1. Scrubbing a wall from down moving up.
* To avoid dirt from drying on the wall.
* To avoid tear marks.
1. Sweeping with long low strokes.
* To avoid raising dust and leaving dirt patches.
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. Collecting all the required equipment and materials before any task.
* To save time and energy.

(b) Explain five importances of proper drainage in a family house.

* Prevents diseases ----well explained----
* Discourages breeding & for pests.
* Provides psychological satisfaction to those living in it.
* The house is free from stains or stubbon dirt.
* Frees the house from bad odours.

(c) State five characteristics of a well made seam. (5m)

* Neat on both sides to enhance appearance.
* Firmly stitched from strong durable work.
* Even in width.
* Well pressed.
* Accurately made.
* As insconspicious as possible unless meant for decoration on the R.S

(d) List down five advantages of roasting food.

* It is a quick method of cooking.
* Roasted food is attractive.
* It is tasty esp. meat.

21(a) List and explain five factors to consider when buying a house. (10m)

* Cost – price to include all other charges.
* Value of the house – seek prof. advice
* Location of the house
* Construction – well built, durable & attractive
* Family requirements to meet needs
* Reliability of the seller – legal docs etc.

(b) List down five qualities of tomatoes when purchasing. (5m)

* Red in colour when ripe.
* Be firm and not overripe.
* Not infected by insects.
* Should be clean.
* Smooth, not bruised or scratched.

(c) Give three uses of starch and two uses of washing soda in laundry. (5m)

 **Starch**

* Gives a glossy appearance
* To stiffen fabrics.
* Makes articles dirt – resistant
* Make articles resistant to creases.

**Washing soda**

* To soften hard water.
* Emulsifies grease.
* Removes stains on white cottons & linens.

22(a) Explain five factors to consider when working permanent stitches. (10m)

* Use the correct size of needle and thread for the fabric.
* The colour of thread shd. match of the fabric unless a decorative effect is desired.
* Choose the correct stitch for the intended ppse.
* Fasten on and off securely, neatly and firmly.
* Shd. be firmly and neatly done and inconspicious unless a dec. effect is desired.
* Use the correct tension according to wt. of fabric.

(b) Highlight five known causes of malnutrition in Kenya. (5m)

* Poverty.
* Parasites.
* Natural calamities.
* Ignorance .
* Corruption.
* Food taboos.
* Lifestyle.
* Body inability to utilize nutrients..

 NB each should be well stated.

(c) State five points to consider when choosing a wardrobe. (5m)

* Should have sufficient space for the clothes to be stored.
* Made of durable material to last long.
* Have smooth surfaces.
* Lockable to protect articles from dust or light.
* Strong rod for hanging.
* Easy to clean and maintain.

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