

HOME SCIENCE

FORM THREE TERM ONE 2024

MARKING SCHEME

1. Four equipment for pressing work during garment construction. **(2 mks)**
Irons
Ironing boards
Sleeve boards
Ironing table *(4 x 1/2 mark)*
2. Immunizable early childhood diseases caused by viruses. **(2 mks)**
Measles
Hepatitis
Yellow fever *(Any 2 x 1 mark)*
3. Items and their use. **(3 mks)**
a) Bodkin – Used for threading cords, tapes, ribbons and elastic through casing and hems
b) Tracing wheel – Used together with dressmakers' carbon paper to transfer pattern markings onto fabric
c) Stiletto – Used for making eyelets or holes in fabrics *(3 x 1 mark)*
4. Ways a mother can use to capture a child's appetite. **(2 mks)**
Serve small amounts of food
Serve food in attractive shapes
Ensure food is tasty/well flavoured
Set the table in an attractive way
Garnish the food attractively
Serve on attractive plates *(Any 4 x 1/2 mark)*
5. Reasons why French seams are suitable for making undergarments. **(2 mks)**
French seams are flat therefore comfortable
French seams are strong and therefore can withstand frequent washing
French seams are self-neatening *(Any 2 x 1 mark)*
6. Positive effects an advert can have on a consumer. **(2 mks)**
Adverts can inform a consumer about varieties of products available in the market

Adverts inform the consumer of any new products and their uses
Adverts if on radio or television can be entertaining (Any 2 x 1 mark)

7. Considerations when planning and preparing meals for a person with a throat infection. (3 mks)

The meal should be balanced
The meal should be warm
The meal should be easy to swallow
The meal should not be too sweet (Any 3 x 1 mark)

8. Reasons the upper thread of the machine would keep breaking during machining. (2 mks)

Machine is not oiled
Needle inserted incorrectly
Wrong threading of the machine
Thread wound on the spool pin/under the needle
Needle with a defective eye
Upper tension is too tight
Needle is blunt/bent
(Any 4 x 1/2 mark)

9. Factors to consider when constructing a sewing room for a school. (3 mks)

The room should have enough lighting
Consider the number of students/learners to use the room to avoid crowding
The room should be large enough to accommodate all the equipment
The room should have adequate storage space
The room should be well ventilated

(Any 3 x 1 mark)

10. Disadvantages of owning an attached maisonette. (2 mks)

There is no much privacy
Pests and rodents can easily spread from house to house
Not easy to extend or demolish at will
Fire outbreak can easily spread from one house to the other (Any 2 x 1 mark)

11. Discomforts experienced due to decayed teeth. (3 mks)

They may cause pain
 They may cause bad breath
 May cause public embarrassment
 May affect digestion due to inadequate chewing of food

(Any 2 x 1 mark)

12. Items that make up the baby *layette* (3 mks)

Bonnet	Dresses	Baby shawl
Rompers	Napkin	Booties/socks
Vest	Waterproof pants	Shirt

(Any 6 x 1/2 mark)

13. Why linen fabrics are popular for making table linen in Kenyan hotels.
(2 mks)

Linen is easy to launder
 Linen can withstand high temperatures during laundry
 Linen is strong and becomes stronger when wet
 Linen is available in many colours

(Any 2 x 1 mark)

14. Identify silk using the burning test (2 mks)

Silk curls or smolders (1/2) away from a flame, smells like burning feathers/hair (1/2) and leaves a black bead (1/2) which crushes (1/2) if squeezed.

15. Rules to observe when deep frying fish fillet. (3 mks)

Use a pan with a heavy base
 Ensure the oil is hot enough before putting the fish
 Do not put too much of the fish into the hot oil as it lowers the temperature
 Ensure the fish is dry before putting in to avoid splattering
 Lower the fish gently into the hot oil

(Any 3 x 1 mark)

16. Factors to observe when sorting out clothes before carrying out the family wash.
(3 mks)

The type of fabric
The colour of the garments
The purpose/use of the garment
The age of the wearer/owner of the clothes
State of health of the wearer
Degree of soiling

(Any 3 x 1 mark)

17. Signs and symptoms in a person suffering from anorexia nervosa.

(3 mks)

Depression
Avoidance of food
Feeling overweight even when thin and underweight
Sudden weight loss

(Any 2 x 1 mark)



SECTION B (20 marks)

18. a) How to launder a fast coloured synthetic dress with a grease stain. **(10 mks)**

- Collect materials and equipment (1/2)
- Cover the stain with an absorbent/grease solvent (1/2) for 10 – 15 minutes
- Wash the stained area(1/2) in warm (1/2) soapy (1/2) water to ensure the stain is removed
- Wash (1/2) the garment in warm (1/2) soapy (1/2) water, using kneading and squeezing/gentle friction (1)
- Rinse (1/2) in warm (1/2) water
- Finally rinse (1/2) in cold (1/2) water with a fabric conditioner (1/2)
- Drip dry (1/2) straight on the clothes line under the shade (1/2) using pegs/hanger (1/2)
- Iron (1/2) using warm (1/2) iron
- Air (1/2)
- Fold and store (1/2)
- Clean and store all materials and equipment used (1/2) (max 20 x 1/2 mark)

b) Finishing a previously washed white cotton pillow case ready for use.

(10 mks)

- | | |
|--|-------------------------------|
| Damp (1) | For easy ironing (1/2) |
| Roll (1) | To spread the moisture (1/2) |
| Iron (1/2) using a hot (1/2) iron | To remove creases (1/2) |
| Iron double parts (1/2) on W.S (1/2) first then on the R.S (1/2) | Prevents shining (1/2) |
| Air (1) | To freshen (1/2) |
| Fold (1) into screens (1/2) | For neatness in storage (1/2) |

SECTION C

19. a) State five activities an expectant mother should be involved in at the antenatal clinic. **(5 mks)**

Checking of the blood pressure
 Checking of the sugar and protein levels in the urine
 Blood group is checked and noted in case she may need blood transfusion after delivery
 Levels of iron/haemoglobin in the blood is checked to ascertain if there is need for supplementation
 If ill, the mother is treated and also advised on diet and exercises in order to stay healthy
 Tested for HIV for the mother to know her status
 (Any 5 x 1 mark)

b) Definition of terms: **(6 mks)**

i. *Maternal child health care*

Care given to an expectant mother and the unborn baby as well as care the mother and baby gets after delivery aimed at improving the quality of life

ii. *Haemorrhoids*

These are enlarged/swollen veins at the anal region which are painful, itchy or are just uncomfortable

iii. *Passive immunity*

Is the transfer of ready-made antibodies as active immunity in body fluids (humoral) from the mother to the foetus through the placenta and breast milk

or

Immunity that occurs naturally when maternal antibodies are transferred to the foetus through the placenta and later through breast milk

(3 x 2 marks)

c) Ways expectant mothers benefit from free maternal care offered by the government. **(6 mks)**

Safe delivery – expectant mothers are able to deliver safely and in clean facilities

Proper medical support – women who cannot afford medical care during pregnancy are able to access free medicine and support from maternal health clinic

Reduce infant death and child mortality rate – early identification and treatment of pregnancy related complications ensure babies are safe and healthy during pregnancy and after birth

Safe pregnancy – expectant women are advised on proper care during pregnancy and also

given supplements to boost their nutrients ensuring a problem free pregnancy

Reduced maternal deaths – pregnancy complications are identified and dealt with early enough reducing the risk of maternal deaths.

(Any 3 x 1 mark)

d) Circumstances in which breastfeeding babies may develop high fever.

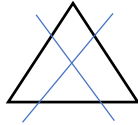
(3 mks)

- If the babies suffer from pneumonia
- If the babies suffer from a common cold
- If the babies have respiratory tract infection
- If the babies develop throat infection
- If the babies have ear infection

(Any 3 x 1 mark)

20. a) Symbol depicting

i. Do not bleach



ii. Drip dry



iii. Place on fold



iv. Straight grain line



b) Points to consider when choosing toys for a 1½ year old.

(8 mks)

- Should be varied to allow for different activities
- Attractive in colour to stimulate the baby's senses
- Toys should be light in weight, easy to carry around
- Should not have small parts that the baby can swallow to avoid choking
- They should be easy to keep clean/washable to avoid dirt/infections
- They should have smooth edges to avoid hurting the baby
- They should be easy to manipulate without guidance

(Any 4 x 2 marks)

c) Good grooming habits that help in the prevention of dandruff.

(4 mks)

- Ensuring the hair is always clean

Avoid sharing of combs, brushes, hats, scarves, wigs, towels etc.
Using an antiseptic in the final rinsing water while cleaning hair
Disinfecting combs and brushes occasionally
Eating a balanced diet

(Any 4 x 1 mark)

d) Points to consider when selecting a drying rack.

(4 mks)

Should be made of rust-free/rust less material to avoid staining clothes
The wooden racks should be painted to protect from effects of weather
The design should enable folding to save on storage space/for easy storage
Choose the correct size to depending on the amount of washing to hold
Should be smooth to avoid damaging fabrics
It should be more stable on the ground

(Any 4 x 1 mark)

21. a) Ways breast milk production can be improved.

(5 mks)

Mother should increase intake of fluids
Ensure the mother is relaxed when breastfeeding
Mother should breastfeed baby regularly to enhance hormones that ensure milk production
Mother should avoid smoking and alcohol as this reduces milk production
Ensure mother rests enough as stress reduces production of milk
Ensuring the mother feeds well on a balanced diet

(Any 5 x 1 mark)

b) Reasons a family needs to be prepared for the arrival of a new born baby.

(5 mks)

To avoid the last-minute rush
To avoid straining the family with bulk buying of baby's requirements
Enable family members to help the mother with small tasks in connection to the new baby
To enable members of the family to be more psychologically prepared hence more understanding and loving towards the new baby
To enable family members to accept the baby as a member of the family
To avoid unnecessary anxiety

(Any 5 x 1 mark)

c) Explain **three** advantages of stewing as a method of cooking.

(6 mks)

Does not require close attention except for occasional stirring hence saving on time
The liquid (gravy) of the food is served together with the food thus conserving nutrients
Economical method of providing a meat dish from cheap cuts of meat cooked slowly for a long time
Natural flavour of food is developed during the long slow cooking making the food more enjoyable
Water soluble nutrients are conserved as evaporation is minimized by use of a tight-fitting lid
Does not require special cooking facilities and can be prepared on a three stone fire place

(Any 3 x 2 marks)

d) Suggest **four** ways to ensure fresh milk remains safe for consumption at home. **(4 mks)**

Store milk in clean containers

Keep in a cool place/refrigerator to avoid spoilage

Do not mix milk from different sources to avoid contamination

Keep milk containers covered to protect from dust and flies

Boil milk in clean saucepans to kill germs

(Any 4 x 1 mark)

