**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 *½ mark)*

1. Immunizable early childhood diseases caused by viruses. **(2 mks)**

Measles

Hepatitis

Yellow fewer *(Any 2* x *1 mark)*

1. 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)*

1. 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 *½ mark)*

1. 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)*

1. 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)*

1. 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)*

1. 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 *½ mark)*

1. 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)*

1. 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)*

1. Discomforts experienced due to decayed teeth. **(3 mks)**

They may cause pain

The may cause bad breath

May cause public embarrassment

May affect digestion due to inadequate chewing of food

*(Any 2* x *1 mark)*

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

Bonnet Dresses Baby shawl

Rompers Napkin Booties/socks

Vest Waterproof pants Shirt

*(Any 6* x *½ mark)*

1. 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)*

1. Identify silk using the burning test **(2 mks)**

Silk curls or smolders (½) away from a flame, smells like burning feathers/hair (½) and leaves a black bead (½) which crashes (½) if squeezed.

1. 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)*

1. 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)*

1. 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)

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

Collect materials and equipment (½)

Cover the stain with an absorbent/grease solvent (½) for 10 – 15 minutes

Wash the stained area(½) in warm (½) soapy (½) water to ensure the stain is removed

Wash (½) the garment in warm (½) soapy (½) water, using kneading and squeezing/gentle friction (1)

Rinse (½) in warm (½) water

Finally rinse (½) in cold (½) water with a fabric conditioner (½)

Drip dry (½) straight on the clothes line under the shade (½) using pegs/hanger (½)

Iron (½) using warm (½) iron

Air (½)

Fold and store (½)

Clean and store all materials and equipment used (½) *(max 20* x *½ mark)*

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

**(10 mks)**

Damp (1) For easy ironing (½)

Roll (1) To spread the moisture (½)

Iron (½) using a hot (½) iron To remove creases (½)

Iron double parts (½) on W.S (½) first then Prevents shining (½)

on the R.S (½)

Air (1) To freshen (½)

Fold (1) into screens (½) For neatness in storage (½)

**SECTION C**

1. 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 incase 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)**

1. *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

1. *Haemorrhoids*

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

1. *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)*

1. a) Symbol depicting
2. Do not bleach

1. Drip dry

1. Place on fold

1. 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)*

1. 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)*