

KCSE CLUSTER TESTS 11

Home Science Paper 1

1.

. Factors that determine choice of color for a room

- The effect desired
- Use of the room
- Size of the room
- The existing décor
- Orientation i.e. direction of light
- Owner's taste

(2x1=2mks) any two

2 marks

2.

Factors to consider when making a flower arrangement

- The occasion / purpose /use
- The colour scheme of the room
- The placement/ position
- The size of the room
- The effect desired

(3x1=3mks) any three

3 marks

3.

. Precautions to take when laundering knitted articles

- Measurements should be taken before and after washing to check and correct stretching and shrinking
- Should be washed with warm water throughout
- Should be dried under shade
- Should be pressed with some material or paper on top of the article 3x1= (3Mks)

3 marks

4.

The three parts of a one

– course meal

- The starter
- The main meal with a carbohydrate, protein and vitamin in dish
- The dessert

(3x½=1½mks)

1.5 marks

5.

. Difference between a facing and interfacing

- Facing are for finishing edges of garments while interfacing are used on the undersides of some garments for strengthening/stiffing 1x2=2mks

2 marks

6.

. How to care for a sewing machine

- Oil the movable parts regularly
- Dust and cover it after use
- Repair any loose or replace old parts
- Service the machine regularly (½x3=1½mks)

2 marks

7.

Advantages of breast feeding

- It is cheap
- The milk is not easily contaminated
- It is easy to give (needs no preparation)
- It is at the right temperature
- Has all types of nutrients needed by the baby
- Helps build up the baby's immune system 2x1= (2mks)

2 marks

8.

Reasons for valeting

- It is more economical
 - Makes clothes look more presentable
 - Gets rid of most of the dirt
 - Enhances the appearance of clothes
- 1x2= (2mks)

2 marks

9.

Role of vitamin D

- Aids in growth
- Assists in absorption / utilization of calcium and phosphorus
- For formation of strong bones/teeth/ prevention of rickets 2x1= (2mks)

2 marks

10.

Three methods of buying goods and services

- Thru cash
- Credit card /credit
- Hire purchase/ installments
- Barter trade/ exchange of goods 3x1= (3mks)

3 marks

11.

Two ways of sterilizing drinking water

- Boiling
- Adding sterilized liquid to water
- Sedimentation/ filtration

3x1= (3mks)

2 marks

12.

Two things to look for when choosing a toilet brush

- The bristles should be firmly placed
- The bristles should be closely placed
- The bristles should be strong
- The brush hand shd be smoothly curved
- The handle brush shd be large enough for convenient handling
- The handle shd be smooth

2x1= (2mks) ant two

2 marks

13.

Roles of consumer organization

- Fight for fair prices for goods and commodities
 - Educate consumers of their rights
 - Assists producers to improve or maintain product quality
 - Raise awareness of unfair business practices
- 2x1= (2mks) any two

2 marks

14.

Reasons for;

i) Stay stitching

- Temporary stitching to prevent the curves from stretching out of phase
 - Used to much pattern lines or plaids
- 1x1= (1mk) anyone

ii) Top stitching

- This is done to emphasize features;
- it easy decorative

1x1= (1mk)

1 marks

15.

Three ways of lengthening the skirt

- Adding frills
- Adding flounce or cloth at hemline
- Adding lace or crochet at the lower hem
- Letting down the hem at the bottom

- Adding a yoke at the waist

3 marks

16.

Three reasons for caring for the sick at home;

- Suitable for terminal illness like cancer, AIDS
- Lack of funds for hospitalization -

Preference of the patient esp. the elderly

- When the disease is not life threatening
- When mothers are nursing and don't want to expose their babies to hospital conditions

3x1=3mks any three

3 marks

17.

. Factors w/c influence choice of cooking method

- Type of food to be cooked
 - Time available for cooking
 - Type of cooking facilities available
 - Type of people for whom cooking is to be done
 - Type of occasion e.g. entertainment
 - Competence of the cook in handling skills involved in the method
 - Amt of food to be prepared/number of people to be cooked for
- 2x1= (2mks) any two

2 marks

18.

Why not advisable to use steel wool to clean calabashes

- It removes the colour of the outside of the calabash

- It is difficult to rinse out steel particles
- 2x1= (2mks) any two

1 marks

19.

Four reasons for coating food before deep-frying

- Improve appearance
 - To avoid it breaking during cooking
 - Prevent it getting soggy with oil
 - Improve texture make it crispy
 - To add flavor
 - Keep the juices in
 - To protect food from strong heat which may lead to overcooking
- ½x4= (2mks) any four

2 marks

20.

a) Quality to look for in fabric for making chair-backs

- Should be easy to launder
- Crease resistant
- Shrink resistant
- Fast- coloured
- Not slippery

5x1 = (5mks)

b) How to clean a wooden floor

- Sweep the floor to remove loose dirt
- Wipe the floor with a cloth wrung out of warm soapy water
- Rinse the floor with a cloth wrung out of clean water
- Dry the floor with a dry cloth
- Apply appropriate floor polish sparingly using circular movements with a cloth
- Leave for a few minutes for the polish to be absorbed
- Using a fluffy cloth or sheepskin rub the surface to remove the excess polish and to make the floor shine (7mks)

c) Reasons why your one year old brother would be crying a lot

- Because of hunger or thirst
- Because of loneliness
- When wet or soiled
- Extreme temperature i.e. too hot or too cold
- May be sick
- May be injured or hurt
- May have been weaned
- When refusing to feed
- When seeking special attention from his mother/ father
- When sleepy
- When tired

8x1= (8mks)

20 marks

21.

ai) Qualities of a well-made opening

- Opposite sides are equal in length

- Should not fold
 - Both sides should lie flat
 - Should be well finished
- 3x1= (3mks) any three
- ii) Factors to consider when choosing opening to apply on a garment
- Weight of the fabric
 - Style of garment
 - Purpose of garment
- 3x1= (3mks)
- iii) Function of openings in garments
- Make it easy to wear and remove garment
 - As a decorative feature
- 1x2= (2mks)
- bi) Points to consider when cutting buttonholes
- Should be cut on straight grain
 - Should be cut in direction of the fastening
 - The bottom hole should be at least half a diameter of the button away from the edge of the opening
 - Ensure you don't cut the stitches if the buttonhole is cut after stitching
- 2x1= (2mks)
- ii) Four qualities of a well constructed handmade buttonhole
- Use buttonhole stitches
 - The stitches are evenly distributed
 - Has the correct stitches at the end of the buttonhole
 - The stitches are of the correct density
 - The buttonhole does not gape/ it has the correct tension
 - It is neat
- 4x½ = (2mks) any four
- c) Factors to consider when selecting a patch for a garment
- The patch should be big enough to cover the hole and thinning parts of the garment
 - The patch should be of same quality and age as garment so as to be inconspicuous
 - The wear of the patch should correspond with that of the garment to be inconspicuous and to wear evenly
 - The patch should be of same material as the garment or as near as possible to enable similar care and wear
- 4x1=4mks
- di) Reasons for using interfacing
- To add to interfaced area i.e. stiffening
 - To reinforce the area against wear
 - To improve shape and appearance
- 2x1 = (2mks)
- dii) Ways of finishing the lower edge of a blouse sleeve
- Scalloping or shell edging
 - Binding with contrasting color
 - Facing with a contrasting color
 - Applying lace
 - Embroidery or loop stitching
 - Piping, crocheting or applying ribbons
 - Making a casing with elastic
- 1x2 = (2mks) any two

20 marks

22.

a). Four steps one should take to maintain good nutritional status

- Budgeting family finance well to ensure there is enough food for the family
- Considering nutritional requirements of every member of the family so that they are catered for appropriately
- Using the correct food preparation methods to conserve nutrients
- Ensuring foods are stored appropriately esp. the perishable ones, so that they lose their nutritive value
- Providing various diets so that all essential nutrients are obtained
- Preventing infection and prompt treatment of diseases which negatively affect nutritional status 4x2= (8mks)

b) Ways of ensuring that left over food does not go bad in the absence of a refrigerator or freezer

- Storing it in clean containers
- Protecting from flies/ pests by covering it
- Avoid storing the food when its warm
- Storing it in an airy place
- Using containers which are not corrosive to store the food
- Avoid storing food for too long before use 5x1= 5mks

c) Three symptoms of food poisoning

- Diarrhea
- Vomiting
- Stomachache/ abdominal pains
- Fever/ headache
- General body weakness
- Dizziness 3x1 = (3mks) any three

d) Two modern methods for preserving food for commercial use

- Fluidized bed drying
- Spray drying
- Accelerated freeze drying (AFD)
- Roller drying 2x1= (2mks)

e) Two rules to observe in jam making - Use juices, ripe fruits (not over or under ripe fruits)

- Clean the fruits well, according to its type before use
- Boil the fruit for the correct length of time, according to the type of fruit

- Use a pan with a heavy base
 - Stir constantly to avoid it sticking to the base of the pan
 - Use clean sterilized jars with tightly fitted lids for storing
 - Pour into storage containers and cover straight away
- 2x1 = (2mks)

20 marks

23.

3a) Methods of disinfecting clothes

- Boiling the clothes that can stand harsh temperatures such as white cottons and linens
- Use of disinfectant either in the soaking, washing or rinsing stage
- Fumigation using chemicals in a special chamber

3x2 = (6mks)

b) First aid for a person who is choking

- If the person is an adult stand behind him or her hold the person by the waist fist against the abdomen just above the navel but below ribs
- Press belly with several strong jerks this forces whatever is causing the choking to pop up
- Alternatively hit the person between the shoulder blades full object pops up If it a baby choking

- Hold him or her upside down and pat/ gently smack the upper part of the back for object to pop up
4x1= (4mks)

c) Activities at pre-natal clinic

- The weight of the mother is checked
- The blood pressure of the mother is checked
- The foetal position is checked
- The foetal heart is also confirmed using foetal scope
- The mother is advised on the diet, clothing, exercise and rest 4x1= (4mks)

d) Three problems faced by consumers

- Scarcity of resources

Pressure of advertising

- Inflation
- Poor quality producers
- Lack of information
- Lack of awareness of rights
- Defective weights and measurements
- Peer and society (class) pressure
- Being taken advantage of by suppliers
- Hoarding of goods Three explained well 3x2 = (6mks)

20 marks