

FORM 4 END OF TERM 2 EXAM

HOMESCIENCE

Paper 1
July 2018

MARKING SCHEME

SECTION A

1. 2 importance of Homescience to the family

- i) Assist in planning, preparing and cooking nutritious food
- ii) Assist in administering First Aid
- iii) Assist in repair and maintenance of clothes
- iv) Engage in income generating activities to boost family income
any 2 x 1 = 2mks

2. 3 qualities of a well groomed person

- is clean and tidy
- wears clean neat clothes / well fitting
- body is fit through exercising
- maintains a good posture
- practices good etiquettes
- has good interpersonal skills
any 3 x 1 = 3mks

3. Meaning of RICE

R EST
I CE
C OMPRESS
E LEVATE
4 x 1/2 = 2mks

4. 2 reasons for artificial feeding of the baby

- death of the mother
- successive births
- insufficient breast milk
- sick mother i.e. HIV positive
any 2 x 1 = 2mks

5. Differentiating 'tucks' and pleats

- tucks are worked on 2 layers of fabric stitched along full length while pleats are worked on 3 layers of fabric i.e. top, underfold and base
- Pleats are halfway topstitched or left to hang freely
2mks

6. 4 factors that may influence the efficiency of a detergent

- the builders in it
- the washing time
- the mechanical action
- type of H₂O used hard or soft
- temperature of water
any 4 x 1/2 = 2mks

7. 2 functions of phosphorous in the body

- helps in some metabolic processes in the body
- works with calcium + vitamin D in strengthening bones and teeth
- controls the structure of brain cells and nerves
- helps to develop soft tissues and nerves tissues together with potassium
- helps release energy in the cells
- important for formation of DNA and RNA, genetic code present in every cell - helps in growth
- work with calcium phosphate to ensure normal nerve response
any 2 x 1 = 2mks

8. 4 types of floors likely to be found in a modern house

- terrazo
- tiles
- cemented
- wooden
- polished
- PVC
any 2 x 1 = 2mks

9. Definition of First Aid

- immediate help administered to a victim in an accident or going through a sudden illness
2mks

10. 2 ways of ensuring that fresh milk at home is safe for consumption

- boiling the milk
 - storing milk in clean container
 - storing milk in a cool place
 - covering milk immersed in cold water covered with muslin cloth
 - avoiding storing fresh milk for long / not more than two days
- any 2 x 1 = 2mks

11. 2 functions of openings

- allows putting on and removing garments
 - forms part of style / decorative
- 2 x 1 = 2mks

12. 2 factors to consider when selecting fastenings

- type of garment
 - age of the wearer
 - effect desired
 - position of opening
 - type of fabric
- any 2 x 1 = 2mks

13. 2 qualities necessary for a fabric used for an apron

- should be stain resistant
 - should be durable to withstand frequent laundering
 - should be light in weight
 - should be light in colour to show any stains
- any 2 x 1 = 2mks

14. 4 reasons for fortifying food

- to improve its texture
 - to improve its flavour
 - to improve its appearance
 - to eradicate nutritional deficiencies
- any 4 x 1 = 4mks

15. 3 ways of maintaining healthy feet

- wearing well fitting shoes
 - wearing dry and clean socks, stockings and shoes
 - airing the feet
 - avoid walking bare foot
 - maintaining short toe nails
 - wearing comfortable heeled shoes
- any 3 x 1 = 3mks

16. Why sodium bicarbonate is combined with tartaric acid when preparing flour mixtures

- to liberate all carbon dioxide available
- 1mk

17. 3 ways of managing a hem

- pre-shrinking in woollens
 - dart like pleats formation
 - using a crossway strip
- 1 x 3 = 3mks

18. 2 desirable characteristics of a duster

- able to hold dust
 - soft
 - smooth
 - fluffy
 - colour fast
 - durable
- any 2 x 1 = 2mks

SECTION B :

19. a) Procedure of thorough cleaning a discoloured melamine cup

- collect equipment and materials (1/2)
 - soak (1/2) in diluted household bleach (1/2)
 - clean in warm (1/2) soapy (1/2) water using a sponge (1/2)
 - rinse (1/2) thoroughly (1/2) in warm water (1/2)
 - final rinse (1/2) in cold water (1/2) to freshen
 - wipe (1/2) with a dry (1/2) clean dish cloth (1/2)
 - store appropriately (1/2)
 - clean materials and equipment, dry and store (1/2)
- max 8mks

b) Thorough cleaning a cemented / terrazo floor

- collect equipment and materials
- sweep (1/2) the room starting from the furthest corner (1/2) towards the door
- collect the rubbish (1/2) and dispose (1/2) it appropriately
- scrub (1/2) a small portion (1/2) at a time using warm soapy (1/2) water and a floor brush (1/2)
- rinse thoroughly (1/2) using a cloth (1/2) wrung from clean warm water (1/2)
- dry (1/2) using an absorbent (1/2) cloth / mop
- repeat the process overlapping (1/2) the portions (1/2) until the whole room is clean
- rearrange (1/2) the room

- clean equipment and materials, dry and store (½)

max. 6mks

c) Procedure of sponging a polyester tie

- collect equipment and materials (½)
- shake (½) the tie thoroughly to remove loose dirt
- spread the tie on a clean flat surface
- dip (½) a sponge / pad in the sponging solution (½) squeeze out (½) excess solution
- clean (½) the tie systematically on both the wrong (½) and right side (½)
- overlap (½) sections to ensure thorough cleaning
- rinse (½) each section using a sponge (½) dipped in clean warm (½) water
- hang the tie in an airy (½) place to dry
- press using a warm iron (½)
- air (½) to completely dry and store appropriately
- clean equipment and materials used, dry and store appropriately (½)

max 6mks

SECTION C :

20. a) Four factors to consider when planning a colour scheme in a room

- effect of light on colours and surfaces. It should blend well with natured light
- consider the effect desired to hide bad marks and emphasise good ones
- use of the room
- existing de'cor
- personel taste

any 4 x 1 = 4mks

b) Three factors that may influence the frequency of cleaning a house

- the use of the rooms
- occupants i.e. children or elderly
- time available for cleaning
- dirt brought in the house / activities don in the house
- equipment and materials available for cleaning
- weather of the time

any 3 x 2 = 6mks

c) Six advantages of using convenience foods

- saves time and labour, fuel as the food requires little or no cooking
- they are handy as they provide a quick snack or meal incase of unexpected visitors
- ensures availability of foods that are not in season
- their colour is sometimes better than fresh food as colour is added during processing
- economical as there is no wastage in preparation
- enables one to try out new recipes which they lack skills in

any 6 x 1 = 6mks

d) Four qualities of a well made patch pocket

- should be of the correct size and shape
- reinforced at the mouth
- seam allowance trimmed and snipped
- stitched near the fold
- seam allowance well tucked
- mouth well made
- lie flat on the garment

any 4 x 1 = 4mks

21. a) Effect of the size of a figure on each of the following

i) Texture of a fabric

- shiny fabrics reflect light making the figure appear larger
- clinging fabrics tend to outline the figure. So a large person will look larger and a slim p person will look slimmer

ii) Design of a fabric

- stripped fabric can be used to form the desired illusions on a figure size. Vertical lines makes a plump figure look taller while horizontal lines makes a tall figure appear plump

iii) Sheer fabrics

- reveal outline of the figure
- light fabrics tend to reduce size since they lack body
- heavy fabrics appear bulky so increase the size of a figure

2 x 3 = 6mks

b) Four advantages of budgeting family income

- it enables one to prioritise family needs hence spending on the order of priority
 - it dictates what to buy and how much to spend in a given period thus enabling the family to live within their means
 - enables the families to set priorities on their future needs hence organise savings
 - to avoid impulse buying
 - ensure saving
- any 4 x 1 = 4mks*

c) Describe types of play for a child

i) Physical play

- it involves running, jumping and climbing

ii) Creative play

- it helps a child to express themselves through painting, colouring, modelling, paper cutting
- 2 x 2 = 4mks*

d) Care labels found on ready made clothes

i) Tumble dry

ii) Iron with a warm iron

iii) Bleach with chlorine bleach

iv) Do not dry clean

1 x 4 = 4mks

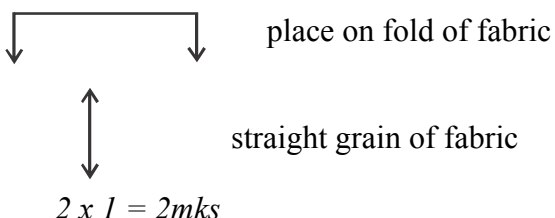
e) Two methods of buying goods and services

- cash buying
 - hire purchases
 - use of credit cards
- any 2 x 1 = 2mks*

22. a) 3 reasons for coating food

- to improve appearance
 - to seal in juices
 - to prevent food from breaking up
 - to add flavour
- any 3 x 1 = 3mks*

b) 2 pattern symbols that are not transferred



c) 3 limitation of rechauffe cookery

- food may lose its flavour
 - food may lose its original colour
 - food may lose its texture
 - food may lose some of its nutrients e.g. Vit.C
 - food may be contaminated during handling
- any 3 x 1 = 3mks*

d) 3 signs and symptoms of measles

- fever
 - sore throat
 - dry cough
 - runny nose
 - inflammed eyes
 - loss of appetite
- any 3 x 1 = 3mks*

e) 3 causes of convulsions in children

- high fever
 - brain tumour
 - epilepsy
 - trauma
- any 3 x 1 = 3mks*

f) Procedure of preparing uninterfaced waistband

- cut along the grain
 - tack and machine on the two shorter ends and extension
 - remove tacking
 - trim seam allowance
 - snip the corners
 - turn the waistband to have R.S out and knife edge
 - press flat on the R.S and W.S
- 6mks*