

LANET JOINT EVALUATION (LANJET 2022)

HOMESCIENCE
FORM 4
PAPER 1
END OF TERM 2 2022
TIME: 2 HOURS

SECTION A (40MKS)

Answer all the questions in this section in the spaces provided.

1. State two reasons for ironing clothes. (2mks)
 - *To kill germs*
 - *To made dirt resistant.*
2. Mention two advantages of starching household articles. (2mks)
 - *To made dirt resistance/to smoothen*
 - *To strengthen*
 - *To improve appearance.*
3. Mention three ways of saving energy when lighting a home. (3mks)
 - *Use when needed.*
 - *Using cheap methods of supplying energy.*
 - *Taking good care of appliances e.g. electrical ones.*
4. Give three reasons for removing dirt from the surface. (3mks)
 - *Promote good heath by keeping away germs and bacteria.*
 - *It helps retain the original appearance of surfaces in the home.*
 - *To help surfaces stay free from stains therefore remain attractive and in good conditions.*
 - *To cut down costs by cleaning regularly.*
5. Name four items in a First Aid Kit that can be used to manage burns. (2mks)
 - *Petroleum jelly*
 - *Sterile dressing*
 - *Pain killer*
 - *Cotton wool*
 - *Bandages*
 - *Gloves*
 - *Scissors and tweezers.*
6. Identify two areas in a house where high polishing should not be done. (2mks)
 - *Bathroom*
 - *Kitchen*
7. Give two reasons why lemon juice is sometimes added to fruit salads. (2mks)
 - *To improve taste.*
 - *To improve flavor.*
 - *To add nutrients.*
 - *To prevent darkening of fruits.*
 - *To preserve it.*
8. List two uses of milk in food preparation. (2mks)
 - *For making sauces*

- *For making batters*
 - *For making beverages*
 - *For making puddings*
 - *For enriching foods e.g. mashed potatoes*
9. State two advantages of using a wooden spoon when cooking food. (2mks)
- *It is a bad conductor of heat so doesn't become hot.*
 - *Doesn't rust.*
 - *It doesn't conduct electricity.*
10. Define the term 'night blindness' (2mks)
- *A deficiency disease that occurs due to lack of vitamin A which prevents one from seeing properly at night.*
11. Give two functions of phosphorous in the body. (2mks)
- *It's necessary together with calcium for normal hardening of bones and teeth.*
 - *Forms an essential part of nerve and brain tissues and is presented in everybody cell.*
 - *It is one of the enzymes that controls metabolism of protein, fats and carbohydrates in the body.*
 - *Phosphorous in form of sodium phosphate helps in maintaining of the current acid base balance of the blood.*
12. What is the meaning of the term 'management of fullness' as used in garment construction? (1mk)
- *It is arrangement of excess fabric in various areas so that completed garment has desired shape and style*
13. Suggest three factors to consider when buying a sewing thread. (3mks)
- *Colour should match colour of fabric.*
 - *Should be strong, smooth and right thickness not to cut easily.*
 - *Texture should match fabric e.g. cotton for cotton fabric, silk for silk.*
 - *It should be mercerized cotton thread for machine stitching.*
14. Give two functions of presser foot when sewing together with the deed-dog. (2mks)
- *Used to hold fabric against feed dog during sewing.*
15. Why overlaid seams are popularly used to attach yokes in garment. (2mks)
- *They are decorative because it appears on R.S*
16. Other than burning test, state two ways of identifying textile fibers. (2mks)
- *Burning test*
 - *Microscope test*
 - *Solubility test.*
17. Give two reasons why wool is not suitable for underwear. (2mks)
- *It is heavy so can't be washed frequently*
 - *It is heavy so uncomfortable to wear.*
 - *It is warm so uncomfortable on hot weather.*
 - *Can't be soaked during laundry because it is weak.*
 - *Can easily pull out of shape.*
18. Name two conspicuous and two inconspicuous seams. (2mks)
- | | |
|----------------------|-----------------------------|
| <i>Inconspicuous</i> | <i>Conspicuous</i> |
| <i>Open seam</i> | <i>French</i> |
| <i>Overlaid seam</i> | <i>Machine fell/ double</i> |
19. Identify two methods of buying goods and services. (2mk)
- *Cash buying*
 - *Credit buying*

SECTION B (20MKS) COMPULSORY

Answer question 20 in the spaces provided.

20. Your parents are away for the weekend and have asked you to clean the house thoroughly.
- a) Describe how you would clean oil painted wall in the sitting room. (8mks)
- *Collect all the equipments and materials required.*
 - *Dust with a clean dry cloth.*
 - *Wipe with a cloth wrung from warm water twice overlapping parts.*
 - *Change cleaning water and repeat.*
 - *Rinse with a cloth wrung from warm water overlapping part twice.*
 - *Finally rinse with a cloth wrung from cold water.*
- b) Outline the procedure for laundering a loose coloured cotton t-shirt. (7 ½ mks)
- *Collect all the materials and equipments needed.*
 - *Shake the t-shirt to remove loose dirt.*
 - *Wash in warm soapy water using kneading and squeezing method.*
 - *Rinse in warm water twice to remove traces of dirt colour.*
 - *Finally rinse in cold water having salt to fix the colour.*
 - *Iron with warm iron while slightly clamp on the wrong side while overlapping all parts until it is done.*
 - *Air fold and store appropriately.*
- c) Describe how you would clean a plain wooden chopping board. (4 ½ mks)
- *Collect all the equipment and materials needed.*
 - *Dust with a clean cloth.*
 - *Dip scrubbing brush in warm soapy and scrub along the grain.*
 - *Rinse thoroughly in warm water.*
 - *Final rinse in cold water to freshen.*
 - *Wipe with a clean dish cloth to make it dry.*
 - *Store appropriately.*

SECTION C (40MKS)

Answer any two questions from this section.

21. a. Give four reasons for proper drainage in a home. (4mks)
- *To keep of bad smell.*
 - *To ensure that pests do not breed these.*
 - *To prevent formation of water pools.*
 - *To avoid dampness in the house.*
- b. Explain three disadvantages of open drainage in an area. (8mks)
- *During heavy rains they get flooded and can be dangerous.*
 - *The ones which are not cemented can cause soil erosion because the edges continue to wear out.*
 - *People can fall into them and get hurt.*
 - *They can be unsightly and smelly if they are not cleared constantly.*
 - *They can be breeding place for pests.*
- c. Suggest eight measures to take in the prevention and control of typhoid. (8mks)
- *Proper disposal of faeces and urine.*
 - *Domestic water should be boiled or chlorinated before drinking to kill any bacteria present.*

- *Proper hygiene practices such as washing hands before handling food and after visiting the toilet.*
- *Food preparation and services utensils should be washed thoroughly before use.*
- *Fruits and vegetables should be washed thoroughly in cool water before being served.*

22. a. Highlight four pieces of information found on a receipt of goods sold. (4mks)

- *The name and address.*
- *The date of the sale and exact description of the goods.*
- *The quality of the goods.*
- *The price charged.*

b. Explain four ways of ventilating a room using windows. (8mks)

- *By use of louver windows.*
- *They open simultaneously.*
- *They let in fresh air while preventing the raindrops from eternity.*
- *By use of fanlight windows.*
 - *Are small windows which are normally fixed high up on the wall for e.g. in toilets, bathroom and stores.*
 - *They open towards the outside and are supposed by a catch when fitted with burglar roof bars they may be left open at night to let in fresh air.*
- *Use of vertically pivoted windows.*
 - *This opens vertically. Half of the window opens towards the inside and the other half towards outside, it may be modified to open outside only.*
- *By using horizontally pivoted windows.*
 - *These open horizontally half of the window opens towards the outside and the other half towards the inside.*
- *Gliding windows.*
 - *These open by gliding mainly from side to side.*

c. Explain four factors that may affect normal foetal development. (8mks)

- *Sexually transmitted Infections (STDs)e.g. gonorrhoea and syphilis.*
 - *Gonorrhoea can be passed from mother to baby during childbirth and handling with contaminated hands especially the eyes and they are not treated, it might lead to blindness.*
- *Alcohol and smoking may cause the baby to be underweight during birth.*
- *HIV/Aids may cause baby to suffer from full blown Aids and die before the fifth birthday.*
- *Drugs have the same effects as alcohol and smoking even prescribed medicines can lead to miscarriage.*
- *Trauma, any unpleasant experience that causes distress or anxiety. It causes miscarriage.*
- *German measles may deform the foetus occurs during first three months of pregnancy.*
- *Nutrient deficiency may cause the baby to be mentally and physically retarded.*

23. a. List six types of sleeves. (3mks)

- *Puffed sleeve*
- *Dolmn sleeve*
- *Bell shaped*
- *Leg of mutton*
- *Raglan*
- *Kimono*
- *Magyar sleeve/short kimono sleeve.*

b. Identify three types of sleeve opening. (3mks)

- *Continous wrap opening*
- *Faced suit opening*
- *Bound opening.*

c. Give three feature of a well cut out crown of a sleeve. (3mks)

- *The edge should be smooth and well curved.*
- *The notches should be present to be used for balance.*
- *It should have a smooth cap.*
- *Should be cut on grain.*
- *Should be same size as the other.*

d. Describe the process of setting in a plain sleeve. (11mks)

- *Complete side seam and should press both seam flat.*
- *Attach sleeve left to left hand side arm hole and right to right hand one work from W.S of garment and R.S of sleeve out.*
- *Sup sleeve into arm hole matching side seam and underarm seam crown of sleeve and shoulder seam raw edges of sleeve and armhole and notches.*
- *Pin sleeve to garment from under seam up to where gathering begins on both sides front and back.*
- *Tie notes on one end of gatherings stitches.*
- *Pull stitches together for sleeve to fit in arm hole.*
- *Distribute gathers evenly around crown.*
- *Pin left the work, pins to be placed across fitting line.*
- *Tack along fitting lined round remove pins.*
- *Machine from under arm seam*
- *Remove tacking and gathering stitches.*
- *Iron raw edges evenly to 6mm.*