

4.7 HOME SCIENCE (441)**4.7.1 Home Science Paper 1 (441/1)****SECTION A (40 marks)**

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

1. List **four** materials used to make kitchen equipment. (2 marks)
2. Give **two** reasons why it is **not** advisable to wash eggs before storing them in the refrigerator. (2 marks)
3. State **two** ways in which marasmus can be managed. (2 marks)
4. Identify **two** situations where the use of packed meals would be appropriate. (2 marks)
5. Differentiate between deep fat frying and dry frying. (2 marks)
6. Define the term weaning. (1 mark)
7. Name **four** diseases that children are immunized against in Kenya. (2 marks)
8. Highlight **two** causes of bruises that may occur at home. (2 marks)
9. State **two** ways in which bilharzia can be prevented. (2 marks)
10. Define the term soft furnishing and give **two** examples found in the home. (2 marks)
11. Identify **two** benefits of solar energy that makes it popular in Kenya. (2 marks)
12. Differentiate between direct and indirect lighting. (2 marks)
13. Name **two** Kenyan government bodies that protect consumers from exploitation. (1 mark)
14. Explain the meaning of the term hire purchase. (2 marks)
15. Give the meaning of the term laundry work. (2 marks)
16. State **two** factors to consider in the choice of a laundry detergent. (2 marks)
17. Give **two** uses of nylon fabric. (1 mark)
18. State **three** functions of facings in clothing construction. (3 marks)

19. Give the purpose of a grainline when constructing a garment. (2 marks)
20. Highlight **two** results achieved by the disposal of fullness in garment construction. (2 marks)
21. Highlight **two** reasons plastic clothes lines are popularly used today. (2 marks)

SECTION B (20 marks)
(Compulsory)

Answer question 22 in the spaces provided.

22. You have invited your friends for your 17th birthday at your home. Outline the procedure you would follow to:
- (a) clean a gas cooker with an oven that was used to bake the birthday cake; (5½ marks)
- (b) weekly clean a glass window in the living room area; (7½ marks)
- (c) launder a viscose blouse/shirt that you intend to wear during the party. (7 marks)

SECTION C (40 marks)

Answer any **two** questions from this section in the spaces provided after question 25.

23. (a) Explain how each of the following factors influence buying of goods by consumers:
- (i) price fluctuation;
 - (ii) complimentary products;
 - (iii) income. (6 marks)
- (b) Explain **three** points to consider when caring for kitchen cutting tools. (6 marks)
- (c) Describe **four** ways of keeping pastries cool during their preparation to ensure quality products. (8 marks)
24. (a) Outline **four** factors that determine the repair method to use on a garment during laundry. (8 marks)
- (b) Explain **three** points to consider when buying a sewing machine. (6 marks)
- (c) Describe **three** factors that determine the type of seam to be used on a garment. (6 marks)
25. (a) Explain **three** disadvantages associated with living in a temporary house. (6 marks)
- (b) Describe **four** situations that would make a traditional birth attendant to refer an expectant mother to a hospital for delivery. (8 marks)
- (c) Describe **three** methods you would use to remove dirt from surfaces in your classroom. (6 marks)

4.7.2 Home Science Paper 2 (441/2)

GIRL'S DRESS

A pattern of a girl's dress is provided. You are advised to study the sketches, instructions and layout carefully before you begin the test.

MATERIALS PROVIDED

1. Pattern Pieces
 - A. Bodice front
 - B. Bodice back
 - C. Skirt back
 - D. Skirt front
 - E. Sleeve
 - F. Sleeve facing
 - G. Front neck facing
 - H. Back neck facing
2. Plain lightweight, light coloured cotton fabric 60 cm long by 90 cm wide.
3. Sewing thread to match the fabric.
4. One large envelope.

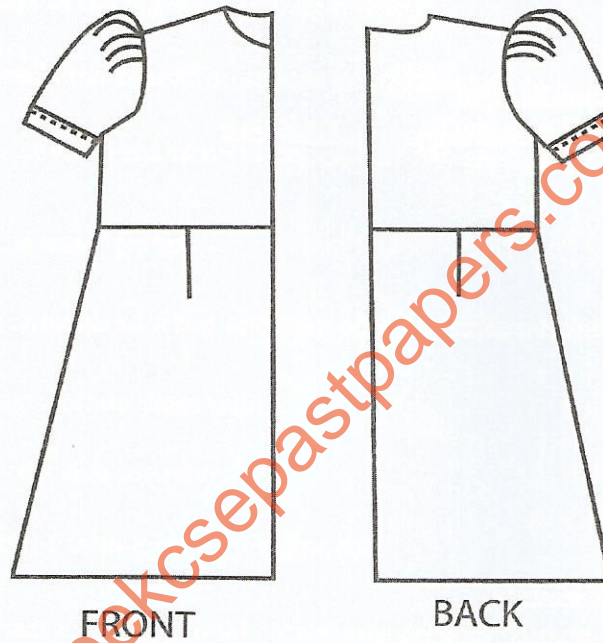
THE TEST

Using the materials provided, lay, cut out and make one side of a girl's dress to show the following processes:

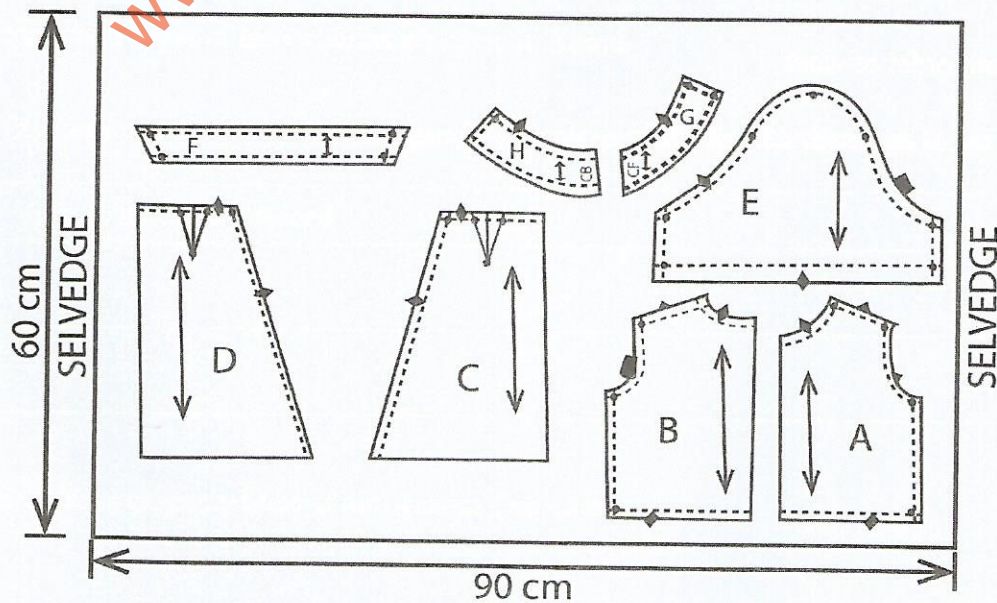
- (a) Cutting out. (10½ marks)
- (b) Making of the front and back skirt darts. (11 marks)
- (c) Making of the shoulder seam using a french seam. (7 marks)
- (d) Making of the side seam on the bodice and skirt using an open seam. (13 marks)
- (e) Preparing and attaching the sleeve; holding down the sleeve facing using long and short tacking stitches. (Do not remove the gathering stitches at the crown). (19½ marks)
- (f) Attaching the bodice to the skirt using a plain seam. (10 marks)
- (g) Preparing and attaching the facings to the neckline. (9 marks)

- (h) Finishing the dress hem with tacking stitches and holding down a **quarter** of the hem using hemming stitches. (4½ marks)
- (i) Overall presentation. (5½ marks)

GIRL'S DRESS



LAYOUT (NOT DRAWN TO SCALE)



4.7.3 Home Science Paper 3 (441/3)

THE TEST

You have visited your aunt over the weekend and she has asked you to prepare breakfast for her two children aged 4 and 6 years.

Using the ingredients listed below, prepare, cook and serve the breakfast for them. Include porridge, a nutritious drink and two breakfast food items. Use plate service.

Ingredients:

- Porridge flour/maize flour/millet flour
- Self raising flour or wheat flour and baking powder/yeast
- Eggs
- Milk
- Fruits in season
- Margarine
- Sugar
- Salt
- Oil
- Tomatoes
- Onions
- Green pepper

PLANNING SESSION – 30 minutes

For each task listed below, use separate sheets of paper and a carbon paper to make duplicate copies then proceed as follows:

1. Identify the dishes and write their recipes;
2. Write your order of work;
3. Make a list of the foodstuff and equipment you will require.