

## 4.6 HOME SCIENCE (441)



### 4.6.1 Home Science Paper 1 (441/1)

MANYAM FRANCHISE  
Discover! Learn! Apply

#### SECTION A (40 marks)

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

- 1 Give **two** functions of Vitamin A in the body. (2 marks)
- 2 State **two** symptoms of goitre. (2 marks)
- 3 Outline **two** precautions to take when handling calabashes. (2 marks)
- 4 Give **two** reasons for using dried fruits in cake making. (2 marks)
- 5 Distinguish between **shallow** and **deep** fat frying. (2 marks)
- 6 Give **two** methods of removing dust from surfaces in a home. (2 marks)
- 7 Give **two** advantages of using loose covers in the home. (2 marks)
- 8 State **two** ways of disposing refuse economically. (2 marks)
- 9 Define good grooming. (1 mark)
- 10 Give **two** ways in which medicine can be abused. (2 marks)
- 11 State **two** benefits of manipulative play. (2 marks)
- 12 State **two** problems that may occur on the feet as a result of wearing tight fitting shoes. (2 marks)
- 13 Giving an example in each case, differentiate between **goods** and **services**. (2 marks)
- 14 List **two** vegetable stains that commonly occur in homes. (1 mark)
- 15 Give **two** reasons for starching articles. (2 marks)
- 16 State **two** precautions to take when laundering viscose rayon. (2 marks)
- 17 Give **two** examples of inconspicuous seams. (2 marks)
- 18 Identify **two** functions of openings on a garment. (2 marks)
- 19 State **two** advantages of using tacking stitches. (2 marks)
- 20 Differentiate between **trimmings** and **trimming** as used in clothing construction. (2 marks)

- 21 Complete the following table on classification of fibres.

FIBRE	CLASS
Viscose Rayon	
Elastofibre	
Polyester	
Asbestos	

(2 marks)

**SECTION B (20 marks)**

**(COMPULSORY)**

*Answer question 22 in the spaces provided.*

- 22 You are planning to host your sister's graduation party at home.  
In preparation for the occasion;

- (a) Without the use of chlorine, outline the procedure you would use to make muddy contaminated water safe for drinking and store ready for use. (6 marks)
- (b) Outline the procedure you would follow to thoroughly clean the plastic chairs to be used for the occasion. (8 marks)
- (c) Describe the procedure you would follow when laundering a coloured cotton handkerchief. (6 marks)

**SECTION C (40 marks)**

*Answer any two questions from this section in the spaces provided at the end of this section.*

- 23 (a) Giving a reason in each case, state **four** rules to observe when making short crust pastry. (8 marks)
- (b) Explain **three** hygiene practices to observe during food storage. (6 marks)
- (c) Explain **three** points to take into account when buying quality baking tins. (6 marks)
- 24 (a) Outline the steps followed in making pin tucks. (6 marks)
- (b) Explain **four** qualities of a well made in-seam pocket. (8 marks)
- (c) Describe the procedure of laundering a polyester pair of trousers. (6 marks)
- 25 (a) Outline the procedure of daily cleaning a baby's bedroom. (6 marks)
- (b) Giving **two** reasons in each case, identify a method of lighting each of the following rooms;
  - (i) Study room
  - (ii) Living / sitting room (6 marks)
- (c) Explain **four** practices necessary for maintaining healthy teeth. (8 marks)

#### 4.6.2 Home Science Paper 2 (441/2)

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 front
  - D. Skirt back
  - E. Sleeve
  - F. Collar
  - G. Cut out a crossway strip measuring 18 cm long by 4cm wide.
2. Plain light weight cotton fabric 70 cm long by 90 cm wide.
3. Cotton sewing thread to match the fabric.
4. One large envelope.

#### THE TEST

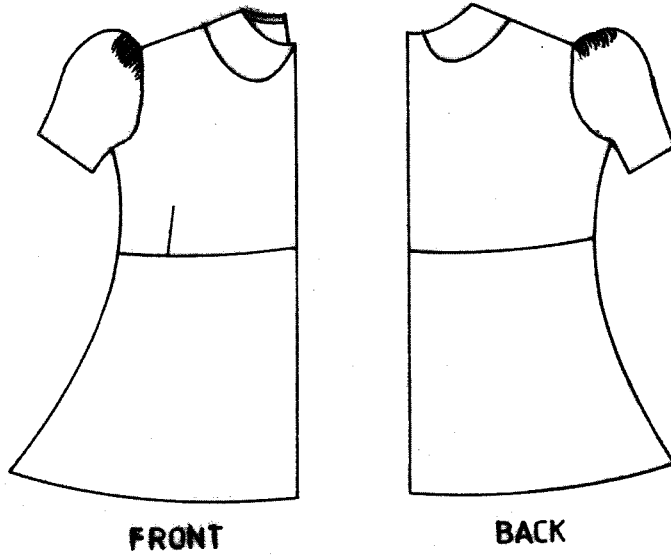
Using the materials provided, cut out and make the **LEFT SIDE** of the girl's dress to show the following processes:

- (a) making of the dart at the front bodice;
- (b) making of a shoulder seam using a double stitched seam;
- (c) making of the side seam on bodice and skirt using an open seam;
- (d) attaching of the bodice pieces to the skirt pieces using a plain seam and neatening *half* of the back seam using loop stitches.;
- (e) preparation of the collar.;
- (f) attaching of the collar using a crossway strip;
- (g) making of an underarm seam using an open seam;
- (h) preparation and attachment of the sleeve. **Do not trim or neaten the seam allowance.**

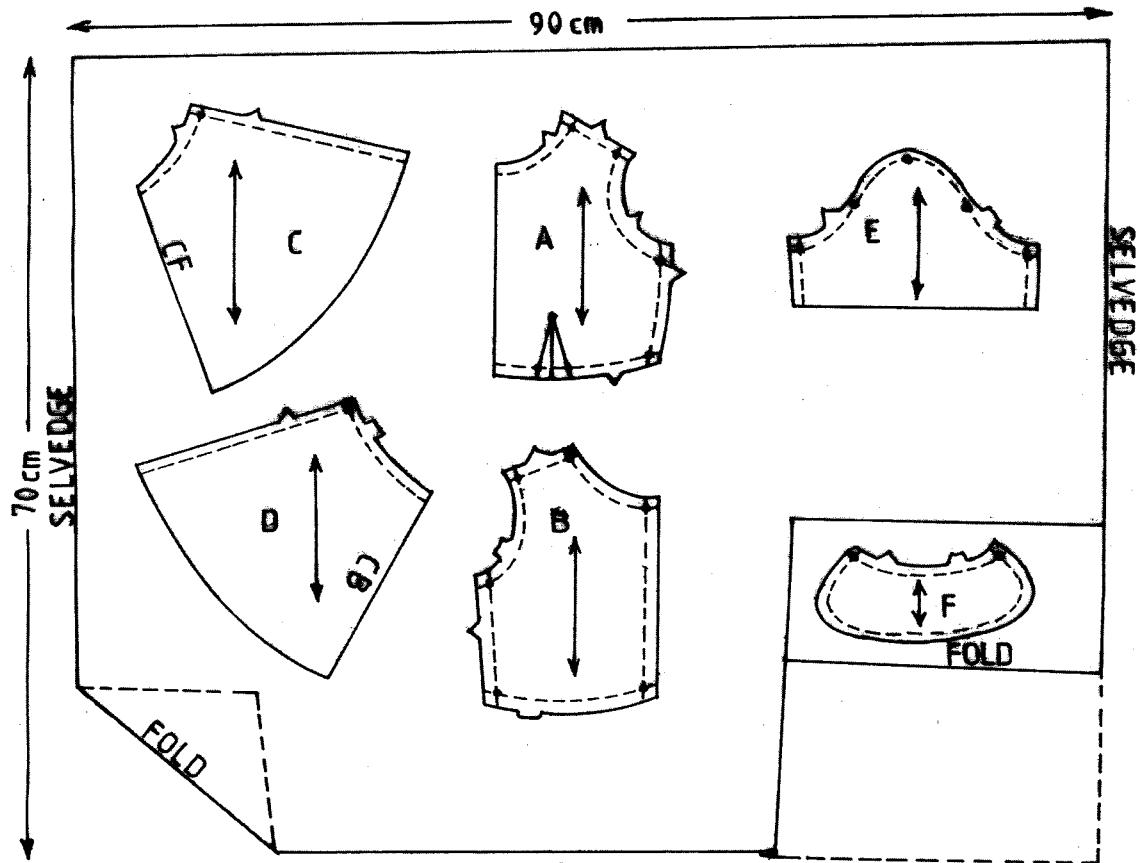
#### OMIT

The management of the lower hem of the skirt and the sleeve.

DRESS VIEW



LAYOUT (NOT TO SCALE)



### 4.6.3 Home Science Paper 3 (441/3)

#### THE TEST

You intend to throw a party for your mother on her 50th birthday.

Using **all** the ingredients listed below, prepare, cook and present a suitable two dish meal for her and her two friends.

Include a stimulating drink.

#### Ingredients:

- salt
- beef/chicken
- fat/oil
- garlic
- rice
- onions
- ginger
- pilau mix
- milk
- sugar
- tea leaves
- peas/french beans
- carrots.

#### PLANNING SESSION - 30 minutes

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

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