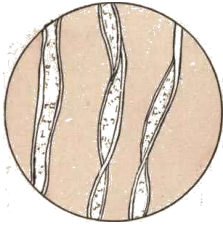



**Annual Examinations for Secondary Schools 2015**

**FORM 3**

**TEXTILES STUDIES**



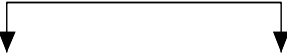
**MARKING SCHEME**

1. a.
- Sources:* animals;  
*Examples of fabrics:* Any two of - cotton/ linen/ silk/ wool.
  - Type of fibre:* man-made/regenerated;  
*Sources:* nature and chemicals;  
*Examples of fabric:* Any one of - viscose/ triacetate.
  - Type of fibre:* synthetic;  
*Examples of fabric:* Any two of - nylon/ polyester/ acrylics.
- (½ mark x 10 = 5 marks)**
- b. i. Cotton **(1 mark)**
- ii.  **(1 mark)**
- iii. *Positive:* Any two of: absorbent, cool to wear, strong, dyes well  
*Negative:* Any two of: not resilient, flammable, attacked by mildew  
*Give credit to any other valid answer.* **(½ mark x 4 = 2 marks)**
- iv. *Any two of:* Calico, denim, drill, gingham  
*Give credit to any other valid answer.* **(1 mark x 2 = 2 marks)**
- v. Cotton is applied with a flame retardant treatment because it is flammable and easily flares up.  
Cotton is calendered in order to improve its lustre. **(2 marks x 2 = 4 marks)**
- vi. *Any one:* Proban/ Pyrovatex **(1 mark)**
- c. i. Woollen blanket – Wool is warm and its natural crimp makes it very resilient.  
Linen trousers – Linen is a strong fabric, cool to wear and gives a refreshing feel.  
**(2 marks x 2 = 4 marks)**
- d.
- yarn, spinning, Z-twist, faults
  - colour, fabric, woven, loom, bonded
  - quality. **(½ mark x 10 = 5 marks)**
2. a. *Any four of:* fibre content, garment size, laundering instructions, design logo, special instructions  
*Give credit to any other valid answer.* **(½ mark x 4 = 2 marks)**

- b. During washing wool takes up a lot of water, making it much heavier than the wool itself. Thus, it should be dried on a flat surface to prevent it from stretching. **(2 marks)**
- c. i. wash in warm water  
do not bleach  
tumble dry using low heat  
iron at low temperature **(1 mark x 4 = 4 marks)**
- ii.  **(1 mark)**
3. a.
  - Gather the required information (receipt, guarantee).
  - Contact the salesperson/manager from where the item was bought.
  - Explain what the fault is and keep record of the persons with whom she has spoken.**(1 mark x 3 = 3 marks)**
- b. Competition and Consumer Affairs **(1 mark)**
4. a. *Possible answers: Any four of:* rubber gloves, pre-washed natural fabric, strings / rubber bands, metal bucket, jug, wooden spoon, old newspaper, rags, paper towels. **(1 mark x 4 = 4 marks)**
- b.
  1. *Collect equipment and material needed.*
  2. Iron fabric and tie according to your design.
  3. Boil water. Dissolve dye with salt in a jug with hot water. Pour mixture into boiling water.
  4. *Place fabric in boiling water and leave to boil for about 30 minutes.*
  5. Remove strings and rubber bands. Rinse fabric in cold water until clear.
  6. Hang fabric to dry.**(1 mark x 4 = 4 marks)**
- c.
  - i. beetroots
  - ii. coffee
  - iii. orange peel
  - iv. red cabbage leaves / blueberries**(1/2 mark x 4 = 2 marks)**
- d. *Possible answers: Any two of:*  
- Lay newspaper on a large flat area to prevent staining tables or surfaces.  
- Handle the dye with care, keeping it away from skin and face.  
- Always wear protective clothing such as an apron and gloves.  
- Handle hot water / kettle with care so as not to scold or burn yourself or others. **(1 mark x 2 = 2 marks)**
- e. i. Students will sketch a design which could be added to the tie-dyed bags.  
Drawing: **(1 mark)**  
Neatness: **(1 mark)**
- ii. Students will draw and label two embroidery stitches which could be embroidered on the bags.  
Drawing: **(1/2 mark x 2 = 1 mark)**  
Labelling: **(1/2 mark x 2 = 1 mark)**

5. a. i. Any two of: pattern piece number, size chart, pattern symbols meanings, fabric choices, sewing notions.  
Give credit to any other valid answer. (1 mark x 2 = 2 marks)

ii.

		
pleat	Dart	fabric fold

(1 mark x 3 = 3 marks)

- b. Students will select four of the following sewing tools and explain their use:

- |                         |  |
|-------------------------|--|
| 1. Tool: Tailor's chalk | Use: to mark directly on the fabric                      |
| 2. Tool: Measuring tape | Use: to take body measurements or to measure fabric      |
| 3. Tool: Snippers       | Use: to cut off excess threads or trimmings              |
| 4. Tool: Rotary cutter  | Use: to cut fabric                                       |
| 5. Tool: Pin cushion    | Use: to store pins safely                                |
| 6. Tool: Thimble        | Use: to protect the middle finger when sewing            |
| 7. Tool: Tracing wheel  | Use: to transfer markings from the pattern on the fabric |

Tool (½ mark x 4 = 2 marks)

Use (1 mark x 4 = 4 marks)

- ii. Fabric: Cotton or Polyester

Reason:

Cotton permits movement of air from the skin through the fabric, allowing heat to dissipate and reducing humidity. It also absorbs moisture well, keeping the skin dry and increasing evaporation.

Polyester reflects heat back to the body and prevents the outward flow of warm, moisture air.

(1 mark x 2 = 2 marks)

- c. 1. Place a spool of thread in the **spool pin**.  
2. Pull the thread across the top of the machine and through the first **thread guide**. The thread should unwind easily from the spool.  
3. Bring the thread to the front of the machine, down through the **tension discs** and around the next thread guide.  
4. Pull the thread up and through the hole or slot in the **take-up lever**.  
5. Pull the thread down through any remaining thread guides and place the thread through the **needle**.

Key words are in bold type.

(1 mark x 5 = 5 marks)

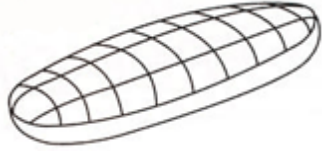

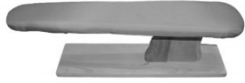
- d.

1	Cotton thread	3	It is elastic and used on very thin fabric.
2	Polyester thread	4	It is thicker than sewing thread as it consists of various yarns spun together. It is generally used for creative projects.
3	Silk thread	1	This thread does not stretch and is used for light or medium weight fabrics.
4	Embroidery thread	2	It is strong, long-lasting thread used for general sewing.

(½ mark x 4 = 2 marks)

- e. i. *Any two of:* iron, ironing board, tailor's ham, pressing cloth  
*Accept any other valid answer.* **(½ mark x 2 = 1 mark)**

ii.

	Picture	Name	Function (Use)
1		Seam roll	It is used mainly for pressing seams in very narrow areas. It also allows seams to be pressed open without spoiling the rest of the garment.
2		Dress stand	It is used for fitting clothes.
3		Sleeve board	To iron sleeves

Naming **(1 mark x 3 = 3 marks)**  
 Function / Use **(1 mark x 3 = 3 marks)**

- f. i. blind hem stitch  
 catch stitch / herring bone stitch **(1 mark x 2 = 2 marks)**

- ii. *Any two of:* overlock stitch, stitched and pinked, zigzag stitch  
*Give credit to any other valid stitch.* **(1 mark x 2 = 2 marks)**

6. a. Hour glass **(1 mark)**

- b. i. *Using the template given, students draw a suitable outfit for her figure.*  
*Marks will be given as follows:*

Drawing suitable for body figure type **(2 marks)**  
 Originality and Neatness **(2 marks)**  
 Use of colour **(2 marks)**

- ii. The students label two fashion features and write them in the boxes provided.  
**(1 mark x 2 = 2 marks)**

- iii. *Any two of:*  
 - Ruffles, bows, and other dimensional details that add volume  
 - Baggy clothes  
 - Big belts  
 - Pointed shoes  
*Give credit to other suitable fashion features.* **(1 mark x 2 = 2 marks)**

- c. *Give credit to suitable outfit for an inverted triangle figure type.*  
 Suitability of outfit **(2 marks)**  
 Originality and Neatness **(2 marks)**