
DESIGN AND TEXTILES

9631/03

Paper 3 Textile Applications and Textile Technology

October/November 2015

2 hours

Additional Materials: Answer Booklet/Paper

READ THESE INSTRUCTIONS FIRST

If you have been given an Answer Booklet, follow the instructions on the front cover of the Booklet.

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use a HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer **four** questions in total.

Section A

Answer **both** questions.

Section B

Answer **two** questions.

Illustrate your answers with clear, well-spaced diagrams.

You may, if you wish, use the silhouette on page 4 to produce outlines for your sketches. Place the silhouette under a single sheet of script paper and trace the outline in pencil.

At the end of the examination, fasten all of your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **4** printed pages.

Section A

Answer **both** questions.

- 1** Fabrics and designs for children's school uniforms need to be fit for purpose.
- (a) (i) Draw and label a sketch of **one** item of school uniform for a child. Include front and back views and include **two** style features. [4]
- (ii) Name **one** suitable fabric for your design and explain **five** reasons why the fabric chosen is suitable for school wear. [6]
- (b) Describe **three** machine stitches which could be used in the manufacture of school uniforms and give **one** reason why each would be suitable. [6]
- (c) Assess the benefits of Eco-labelling for **both** the textile industry **and** the consumer. [9]
- [Total: 25]**

- 2** The sewing machine can be used for producing decorative designs on textile items.
- (a) (i) Draw **one** design suitable for machine quilting, which could be used on a decorative panel for a lady's jacket. Label the stitches to be used. [3]
- (ii) Explain how to prepare the fabric and sewing machine before quilting. [6]
- (iii) Discuss how the quilting design for the decorative panel could be modified to make it suitable for producing a batch of 100 jackets. [6]
- (iv) State **three** reasons for using a sewing machine when producing decorative designs. [3]
- (b) Assess the benefits of recycling textile items which have decorative panels incorporated in their design. [7]
- [Total: 25]**

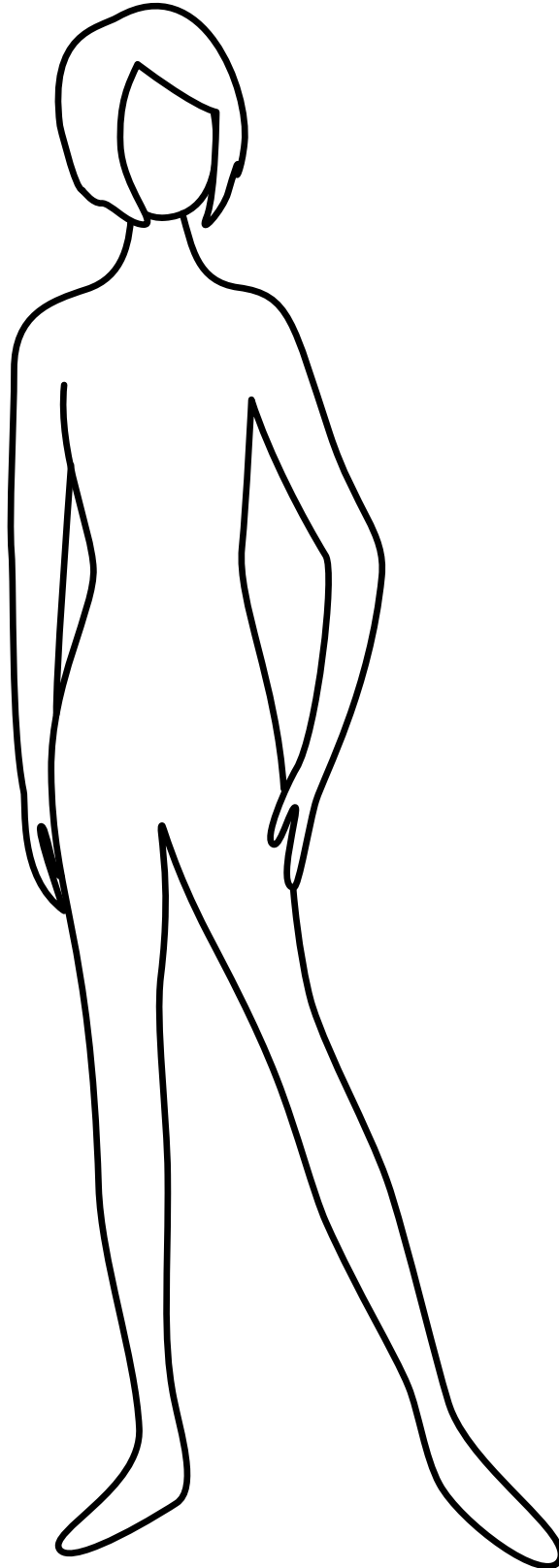
Section B

Answer **two** questions.

- 3** Fabric finishes are available for many different textile items.
- (a) Assess the range of fabric finishes which can alter the texture and appearance of **one** named cotton fabric and **one** named synthetic fabric. Give specific examples of textile items in your answer. [10]
 - (b) Discuss the range of performance finishes which are available for sports clothing. Give examples in your answer. [8]
 - (c) Discuss the value of the care labelling system to the consumer, with reference to a variety of different fabrics and types of symbols. [7]
- [Total: 25]**

- 4** Environmental issues are important in the textile industry.
- (a) Draw and label sketches of **two** matching fashion accessories which include the use of Tencel (Lyocell) **or** self-coloured cotton fabric and a design produced by a resist method of dyeing such as batik **or** tie-dye. [6]
 - (b) Explain how Tencel (Lyocell) and self-coloured cotton benefit the environment. [4]
 - (c) Discuss how your designs could be developed using different creative textile techniques. [6]
 - (d) Discuss the reasons for having a manufacturing specification of materials for **one** of the accessories in **4(a)**. Give specific examples. [9]
- [Total: 25]**

- 5** Details of yarns and fabrics are important to a manufacturer of textile products.
- (a) Compare **four** performance characteristics of **one** named fabric which has been woven using yarns made from staple fibres and **one** named fabric which has been woven using filament yarns. [6]
 - (b) (i) Explain what points would be important in a **design specification** for a shirt to be worn to work. [5]
(ii) Give a detailed **product specification** for a shirt to be worn to work. [5]
 - (c) Discuss the factors that a manufacturer would need to take into account before producing a batch of shirts to be worn to work. [9]
- [Total: 25]**



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