Cambridge
International
A Level

## Cambridge International Examinations

Cambridge International Advanced Level

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.

## 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.
(ii) Name one suitable fabric for your design and explain five reasons why the fabric chosen is suitable for school wear.
(b) Describe three machine stitches which could be used in the manufacture of school uniforms and give one reason why each would be suitable.
(c) Assess the benefits of Eco-labelling for both the textile industry and the consumer.
[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.
(ii) Explain how to prepare the fabric and sewing machine before quilting.
(iii) Discuss how the quilting design for the decorative panel could be modified to make it suitable for producing a batch of 100 jackets.
(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.
[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.
(b) Discuss the range of performance finishes which are available for sports clothing. Give examples in your answer.
(c) Discuss the value of the care labelling system to the consumer, with reference to a variety of different fabrics and types of symbols.
[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.
(b) Explain how Tencel (Lyocell) and self-coloured cotton benefit the environment.
(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.
[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.
(b) (i) Explain what points would be important in a design specification for a shirt to be worn to work.
(ii) Give a detailed product specification for a shirt to be worn to work.
(c) Discuss the factors that a manufacturer would need to take into account before producing a batch of shirts to be worn to work.
[Total: 25]


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