



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
General Certificate of Education Advanced Level

DESIGN AND TEXTILES

9631/03

Paper 3 Textile Applications
Textile Technology

October/November 2010

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 pencil for any diagrams or rough working.

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

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 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 Many finishes are used for fabrics and garments.
- (a) Outline **four** reasons why fabric finishes are needed on natural fabrics. [4]
 - (b) Assess the different types of fabric finishes which would be suitable for use on synthetic fibres/fabrics. [5]
 - (c) Briefly outline the methods used to produce **four** named mechanical finishes, giving examples of suitable fibres/fabrics. [4]
 - (d) Assess the relevant factors to consider when choosing fabrics and finishes on clothing for people with physical disabilities (for example, people who have difficulty in seeing or walking, or who may be in a wheelchair). [12]

[Total: 25]

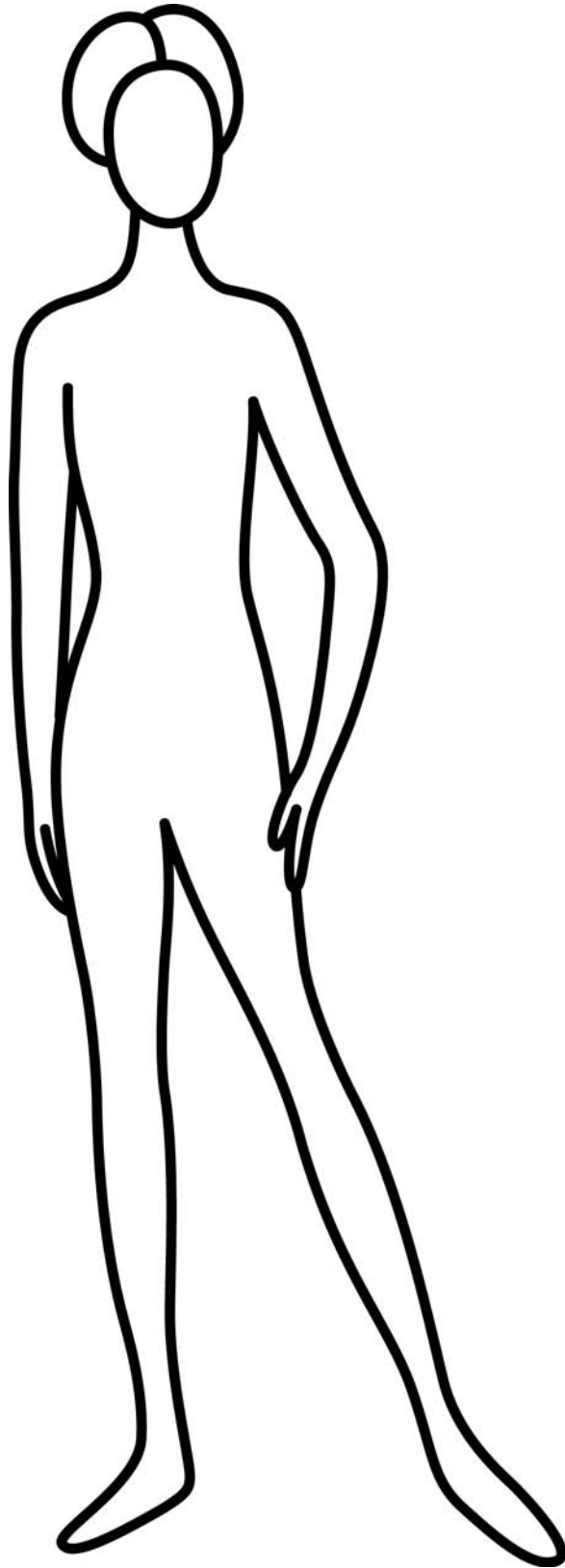
- 2 Traditional creative techniques are often found on textile items.
- (a) Explain the benefits of studying textile techniques from different cultures, old and new. [3]
 - (b) (i) Sketch and label a textile design from a named culture. [3]
 - (ii) Explain how the design could be developed for use on a named textile item.
Illustrate your answer. [7]
 - (c) Assess the range of traditional decorative hand techniques from different cultures which are used on textile items.
Include specific examples in your answer. [12]

[Total: 25]

SECTION B

Answer **two** questions.

- 3** Environmental factors are an important consideration in the design of textile products.
- (a) Outline **four** factors which cause physical wear in textiles. [4]
 - (b) Explain how Eco-labelling on garments benefits the consumer. [4]
 - (c) Assess the range of environmentally friendly fibres and fabrics available for textile use. [8]
 - (d) Discuss the way in which consumers can help to reduce the environmental impact of textiles in today's society.
Give specific examples. [9]
- [Total: 25]**
- 4** You have been asked to design a range of skirts for the teenage market.
- (a) Briefly outline **three** types of research you would need to carry out before designing. [3]
 - (b) Explain **four** factors which would need to be considered when selecting fabrics for the skirts. [4]
 - (c) Explain how a manufacturer would calculate accurately the textile materials required to make a batch of skirts. [4]
 - (d) (i) Sketch and label **two** skirts in the range, showing important design details. [6]
(ii) Write a detailed product specification to manufacture **one** of the skirts. [8]
- [Total: 25]**
- 5**
- (a) Assess the factors which need to be considered when designing specialist garments for outdoor wear. Include examples of specific garments. [12]
 - (b) Discuss how a batch of jackets would be manufactured. [13]
- [Total: 25]**



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