



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
General Certificate of Education Advanced Subsidiary Level and Advanced Level

DESIGN AND TEXTILES

9631/01

Paper 1 Fibres and Fabrics
Design

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 **three** questions in total.

Section A

Answer **both** questions.

Section B

Answer **one** question.

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 Non-woven textiles are widely used.

(a) Outline the basic principles of constructing the following non-woven fabrics:

(i) thermo-bonded fabrics [2]

(ii) felt fabrics. [2]

(b) Name **two** fibres which are often used in the production of non-woven fabrics, giving **one** reason for **each** choice. [4]

(c) Compare the construction of non-woven fabrics with woven fabrics. [6]

(d) Discuss the choice and performance characteristics of non-woven fabrics available for the following uses:

(i) clothing e.g. interfacing

(ii) accessories e.g. shoes

(iii) household e.g. bedding

(iv) medical e.g. face masks.

[11]

[Total: 25]

2 Synthetic fibres and fabrics are continually being developed.

(a) Briefly outline the basic principles used in the production of synthetic fibres. [4]

(b) Compare the performance characteristics of **one** named synthetic fabric with **one** named natural fabric. [8]

(c) Discuss the range of regenerated cellulose fibres for use in clothing. [6]

(d) Assess the new developments in fibre and fabric technology, (e.g. Smart fabrics) giving specific examples in your answer. [7]

[Total: 25]

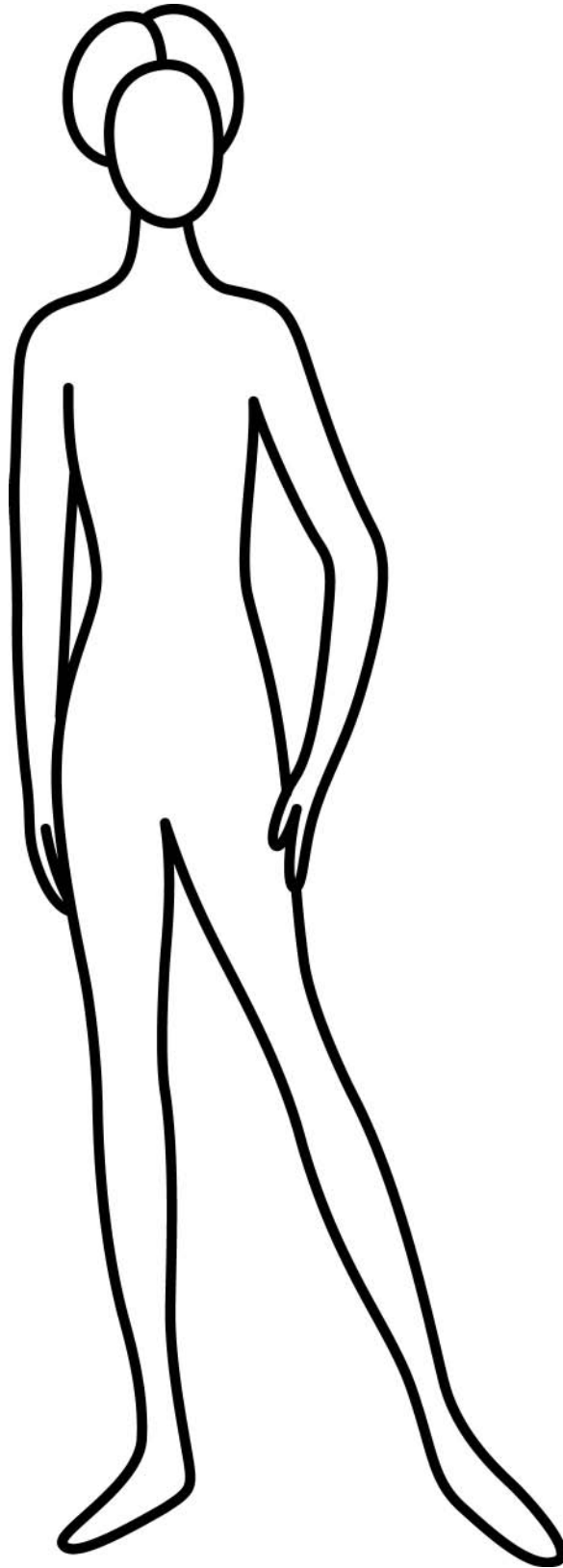
SECTION B

Answer **one** question.

- 3** Design principles are carefully considered in garment design.
- (a) (i) Explain what is meant by shape, line and proportion in relation to fashion designing. [3]
(ii) Sketch and label **three** dresses for a special occasion which illustrate the use of shape, line and proportion. (You may use the silhouette provided at the end of the question paper.) [9]
- (b) In contemporary fashion, discuss how fashion designers use shape, line and proportion in their designs. Give specific examples to illustrate your answer. [13]
- [Total: 25]**

OR

- 4** Garment production is carried out in a variety of ways.
- (a) Explain what is meant by:
- (i) a prototype [2]
(ii) 'one-off' production. [2]
- (b) Compare the use of the following processes in 'one-off' garment production:
- (i) hand processes [4]
(ii) machine processes. [4]
- (c) Assess the range of neckline openings which can be used in garment production. Include specific examples on a variety of garments, in your answer. [13]
- [Total: 25]**



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