



# Cambridge International AS & A Level

**DESIGN & TEXTILES**

**9631/01**

Paper 1 Fibres, Fabrics and Design

**October/November 2022**

**2 hours**

You must answer on the enclosed answer booklet.

You will need: Answer booklet (enclosed)

## INSTRUCTIONS

- Answer **three** questions in total:
  - Section A: answer **both** questions.
  - Section B: answer **one** question.
- Follow the instructions on the front cover of the answer booklet. If you need additional answer paper, ask the invigilator for a continuation booklet.
- You should illustrate your answers with clear, bold diagrams.
- Use Fig. 4.1 on page 4 to produce outlines for your sketches. Place the figure under a sheet of paper in the answer booklet and trace the outline in pencil.

## INFORMATION

- The total mark for this paper is 75.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **4** pages.

**Section A**

Answer **both** questions.

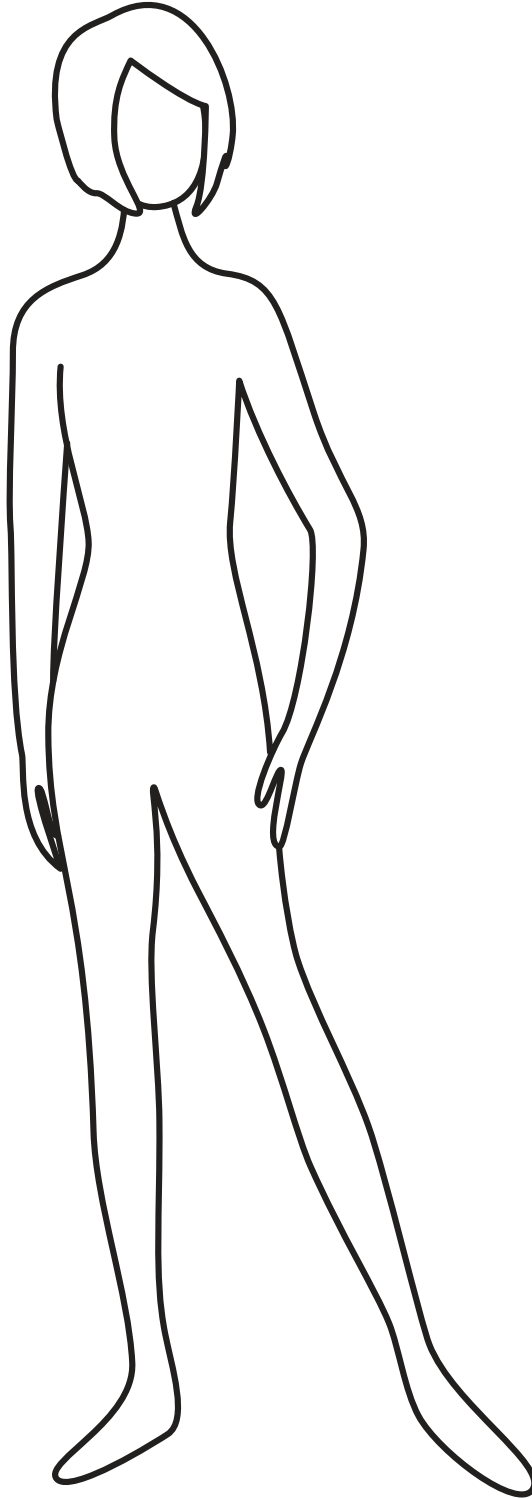
- 1** Natural fibres and fabrics are widely used in the production of textile items.
- (a) (i) Identify **two** natural cellulosic fibres. [2]
- (ii) Explain how the **two** fibres identified in question **1(a)(i)** are obtained. [4]
- (b) Describe the process of making yarn from wool fibres. [4]
- (c) Discuss the desirable qualities that luxury hair fibres can give garments when blended with other natural or synthetic fibres. Include examples of fibres and fabrics to support your answer. [6]
- (d) Evaluate how different types of weaves can affect the performance characteristics of fabrics. Give examples of weaves, fabrics and garments in your answer. [9]
- [Total: 25]
- 2** Fabrics can be developed to perform specific functions.
- (a) Describe the following fibres and for each fibre give **one** example of an end use.
- (i) Aramid fibres [2]
- (ii) Elastane fibres [2]
- (b) Compare the flammability and extensibility of Aramid and Elastane fabrics. [6]
- (c) Discuss the benefits of using knitted fabrics for sportswear. [6]
- (d) Assess the advantages of non-woven fabrics for disposable products in healthcare. Give examples of products to support your answer. [9]
- [Total: 25]

**Section B**

Answer **one** question.

- 3** There are a wide range of soft furnishings available for the home.
- (a) Describe **two** different fastenings which would be suitable for a cushion cover. [4]
  - (b) Explain how the study of natural sources can inspire the development of designs for textile products in the home. Sketches may be included in the answer. [5]
  - (c) Discuss the factors a manufacturer needs to consider when planning the production of a batch of cushion covers. [7]
  - (d) Assess the use of hand and machine processes to add decoration to a cushion cover. [9]
- [Total: 25]

- 4** Fashion is constantly changing.
- (a)
    - (i) Sketch and label a design for a lightweight women's jacket to wear at a party. Identify **one** suitable fabric and include **two** different types of embellishments. [4]
    - (ii) Explain why the jacket designed in question **4(a)(i)** is suitable to wear at a party. [3]
  - (b) Lining can be used in a jacket. Describe how a lining would improve the design of a jacket. [4]
  - (c) Discuss the factors that influence a fashion designer when they are producing new garment designs. [6]
  - (d) Compare home-based pattern making and industrial pattern making. [8]
- [Total: 25]



**Fig. 4.1**

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