



# Cambridge International AS & A Level

**DESIGN & TEXTILES**

**9631/01**

Paper 1 Fibres, Fabrics and Design

**October/November 2021**

**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. 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 in section A

**1 Synthetic fibres and fabrics are widely used in the production of textile items.**

- (a) State the source of the following fibres and for each give **one** example of its use
- (i) Polyamide fibre [2]
  - (ii) Chlorofibre [2]
- (b) Compare the following performance characteristics of polyamide fibres and chlorofibres with reference to
- (i) Absorbency [3]
  - (ii) Strength [3]
- (c) Discuss the differences in the care of fabrics made from polyester fibres and fabrics made from cotton fibres. [7]
- (d) Evaluate the advantages of blending synthetic fibres with natural fibres. Give specific examples of fibres in your answer. [8]

[Total: 25]

**2 A range of fabric constructions can be used for clothing.**

- (a) (i) Draw a labelled diagram to show how **each** of the following fabrics are constructed
- Satin fabric
  - Twill fabric [2]
- (ii) Describe the appearance of **each** of the fabrics in **2(a)(i)**. [4]
- (b) Identify **one** item of clothing that could be made from each fabric named in **2(a)(i)**. Explain why **each** fabric is suitable. [6]
- (c) Compare **loop-pile** fabrics and **cut-pile** fabrics. Include examples to support your answer. [6]
- (d) Discuss how new developments in fibre technology are producing more environmentally friendly fibres. Include examples of fibres and fabrics to support your answer. [7]

[Total: 25]

**Section B**

Answer **one** question in section B

**3 Shorts are a popular summer garment.**

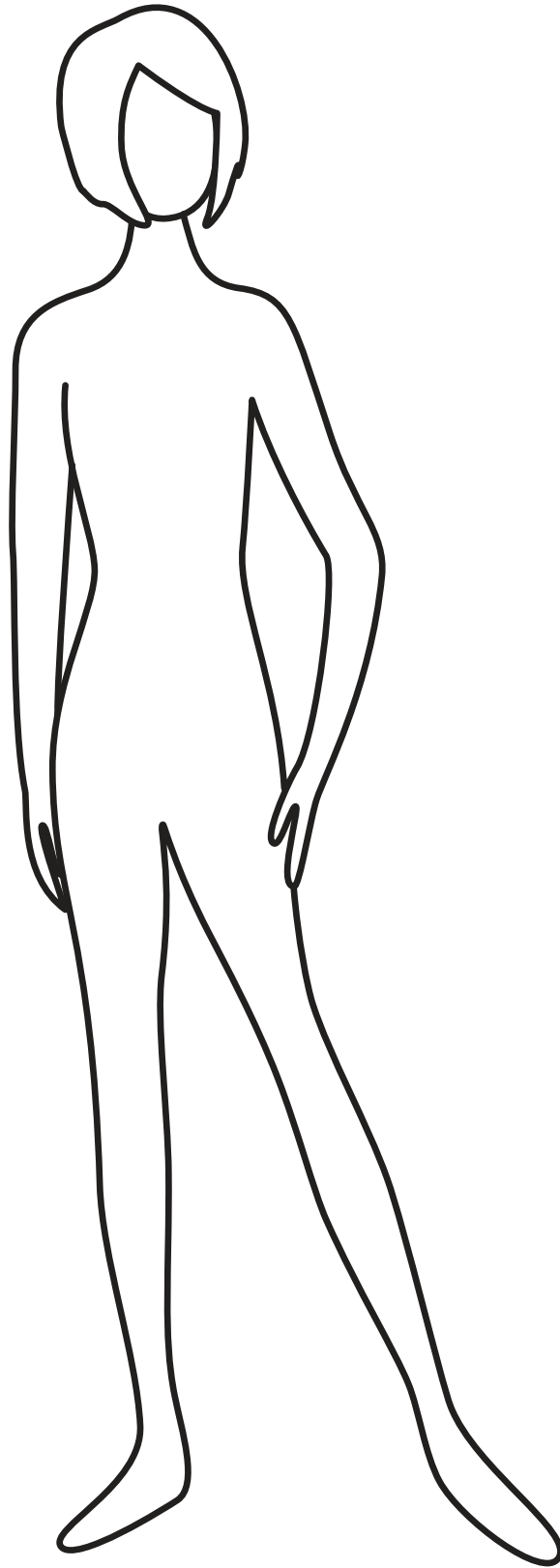
- (a) (i) Sketch and label a design for a pair of summer shorts that includes **two** style features inspired by a past fashion trend. Identify the fashion trend. [4]
- (ii) Explain why your design sketched in **3(a)(i)** is a good design. [3]
- (b) Discuss the different manufacturing methods available to produce the shorts sketched in **3(a)(i)**. [10]
- (c) Discuss how the fashion cycle influences the design of fashion garments. Include examples to support your answer. [8]

[Total: 25]

**4 Clothing manufacture includes many processes.**

- (a) Explain what is meant by the following processes used in industrial production
- (i) Grading [2]
- (ii) Lay planning [2]
- (b) Compare **one** manual process used to mark fabrics with **one** industrial process used to mark fabrics. [4]
- (c) Discuss the factors which a manufacturer would need to consider when choosing the type of edge finish for a garment. Include examples to support your answer. [8]
- (d) Assess the advantages and disadvantages for consumers of using e-commerce compared to retail outlets to purchase fashionable clothing. [9]

[Total: 25]



**Fig. 1**

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