



# Cambridge International AS & A Level

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## DESIGN & TEXTILES

9631/03

Paper 3 Textile Applications and Textile Technology

October/November 2024

2 hours



You must answer on the enclosed answer booklet.

You will need: Answer booklet (enclosed)

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### INSTRUCTIONS

- Answer **four** questions in total:  
Section A: answer **both** questions.  
Section B: answer **two** questions.
- 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 Figure 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 100.
- The number of marks for each question or part question is shown in brackets [ ].

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This document has **4** pages.

**Section A**

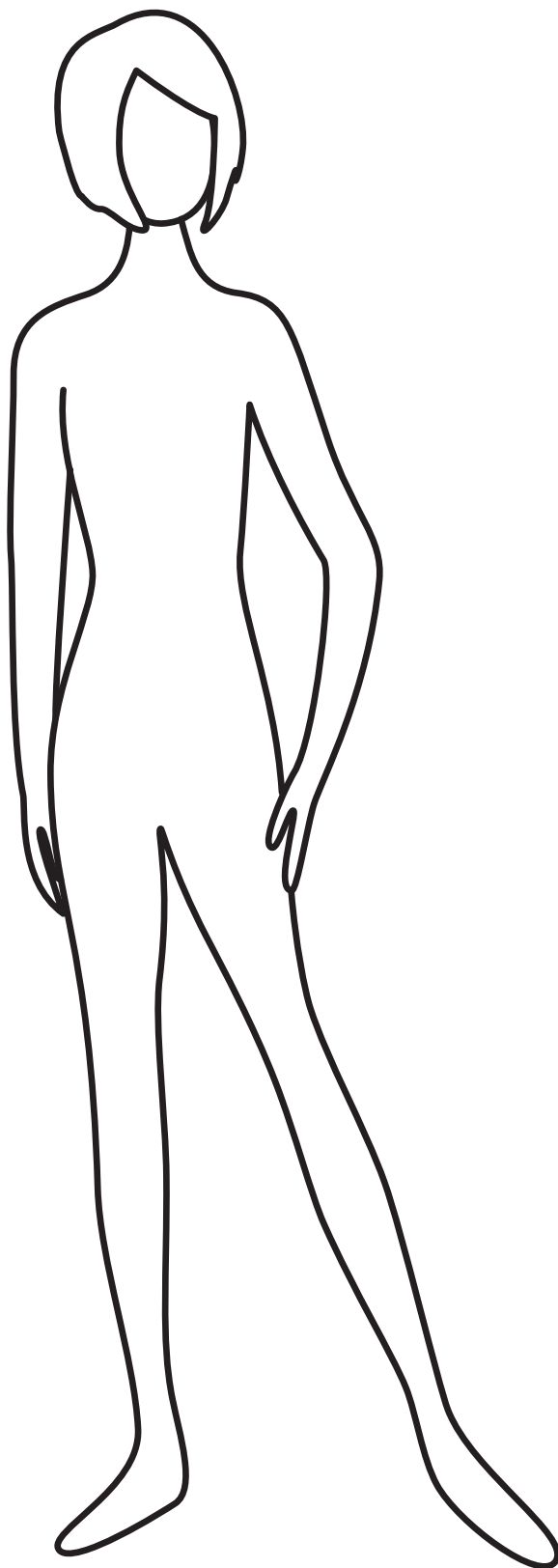
Answer **both** questions.

- 1** Many factors need to be considered when designing summer clothes.
- (a) Explain **three** factors to consider when selecting fabrics which would be suitable for a summer top. [6]
  - (b) Discuss the safety considerations for a consumer when dyeing fashion items at home. [8]
  - (c) Evaluate the range of decorative effects that can be achieved with the use of dyes to create fabrics suitable for a summer top. Include examples of fabrics to support your answer. [11]
- [Total: 25]
- 2** There are many aspects to consider when designing sportswear.
- (a) Describe **three** performance characteristics that make knitted fabrics a good choice for sportswear. [6]
  - (b) Compare the types of stitching techniques available to manufacturers when constructing sportswear garments. [8]
  - (c) Assess suitable finishes that can be used to improve the performance of fabrics used for sportswear. Include examples of finishes and fabrics to support your answer. [11]
- [Total: 25]

**Section B**

Answer **two** questions.

- 3** Environmental issues have become increasingly important in the production of textiles.
- (a) Discuss the environmental issues related to the textile industry. Include examples to support your answer. [12]
  - (b) Evaluate the benefits of using environmentally friendly fibres in clothing production. Give examples of fibres and fabrics to support your answer. [13]
- [Total: 25]
- 4** There are many factors which need to be considered when designing fabrics and garments.
- (a) Discuss how the process of design and product development is important when a designer is creating a new fashion collection. Give examples to support your answer. [12]
  - (b) Evaluate how different speciality yarns can be used in knitted and woven fabrics to create interesting effects. Give examples to support your answer. [13]
- [Total: 25]
- 5** In the fashion industry, specifications are important.
- (a) Evaluate the importance of following detailed specifications when designing and manufacturing fashion items. Give examples to support your answer. [12]
  - (b) Discuss ways in which fabrics can be manipulated to create texture and surface pattern. Include examples of fabrics to support your answer. [13]
- [Total: 25]



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