



NSW Education Standards Authority

2022 HIGHER SCHOOL CERTIFICATE EXAMINATION

Textiles and Design

**General
Instructions**

- Reading time – 5 minutes
- Working time – 1 hour and 30 minutes
- Write using black pen

**Total marks:
50****Section I – 10 marks** (pages 2–6)

- Attempt Questions 1–10
- Allow about 15 minutes for this section

Section II – 24 marks (pages 9–14)

- Attempt Questions 11–13
- Allow about 45 minutes for this section

Section III – 16 marks (pages 15–18)

- Attempt BOTH Question 14 and Question 15
- Allow about 30 minutes for this section

Section I

10 marks

Attempt Questions 1–10

Allow about 15 minutes for this section

Use the multiple-choice answer sheet for Questions 1–10.

- 1** Which of the following best describes embroidery?
- A. Twisting fibres together to create texture
 - B. Stitching onto fabric to apply colour and texture
 - C. Applying colour to fabric to produce new designs
 - D. Interlacing threads to form the desired pattern and fabric
- 2** Students have designed a cushion cover with a multicoloured pattern consisting of various geometric shapes. They are planning to manufacture and sell the cushion covers at the local markets.

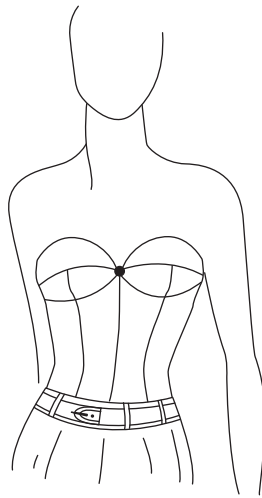
Which method would produce a clear multicoloured pattern quickly and with consistent quality?

- A. Hand piecing the shapes
 - B. Roller printing the design
 - C. Machine piecing the shapes
 - D. Digitally printing the design
- 3** For a uniform-free day at school, a 12-year-old plans to wear a spotted T-shirt, striped leggings, a frilly purple skirt and aqua socks.

What is most likely to have influenced this choice of outfit?

- A. Convenience
- B. Self-expression
- C. Cultural identity
- D. Religious tradition

- 4 The diagram shows a corset being worn as outerwear. Corsets were originally only worn as underwear.



This change in function reflects

- A. the resources available and societal change.
 - B. the resources available and economic change.
 - C. historical development of design and societal change.
 - D. historical development of design and economic change.
- 5 Which of the following would help cotton producers address environmental sustainability concerns?
- A. Controlling pests using natural predators
 - B. Disposing of waste into designated landfill
 - C. Increasing the use of automated machinery
 - D. Using more water to improve the yield produced
- 6 A treatment can be applied to a fabric to reduce creasing and static and to make it easy to wash.

Which item is likely to benefit most from this fabric treatment?

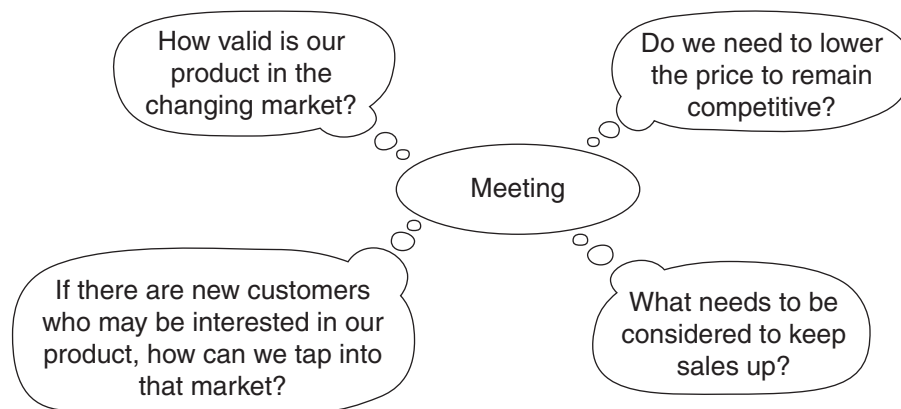
- A. Wool jumper
- B. Linen bedsheets
- C. Nylon/wool carpet
- D. Polyester/linen skirt

- 7 A weft knit fabric made from a nylon/elastomeric bicomponent yarn is suitable for many applications.

For which of the following is this fabric structure and yarn combination most suitable?

- A. A bridal veil
- B. Winter school tights
- C. Pyjamas for children
- D. Curtains for the home

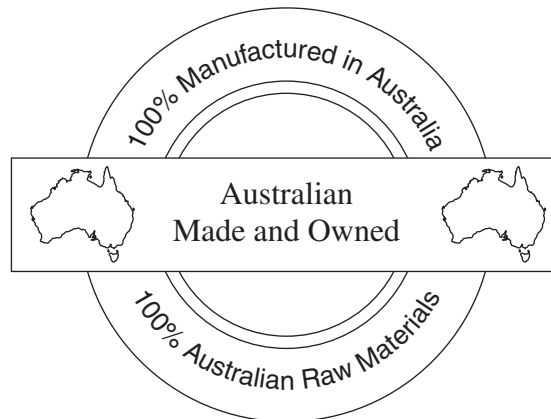
- 8 A design team is attending a monthly meeting at which the following questions about one of their products are being considered.



At what stage of the product's life cycle is this meeting most likely taking place?

- A. Introduction
- B. Growth
- C. Maturity
- D. Decline

- 9 An Australian clothing company is trying to decide whether to produce items which can carry the following label.



Which of the following is likely to have the LEAST influence on the company's decision to produce these items?

- A. Skill level of workers
- B. Supply of raw materials
- C. Local distribution of the items
- D. Competition from overseas markets

- 10 The diagram shows a cushioned recliner chair that can be folded, easily transported and used outdoors.



A fabric is required to cover this chair.

Which fibre, yarn and fabric combination would produce the most durable fabric for the chair?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
A.	Nylon	High twist filament	Twill weave
B.	Nylon	Low twist staple	Plain weave
C.	Polyester	Low twist staple	Twill weave
D.	Polyester	High twist filament	Plain weave

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Centre Number

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Student Number

Textiles and Design

Sections II and III

Answer Booklet

Instructions

- Write your Centre Number and Student Number at the top of this page.
- Use this answer booklet for Sections II and III.
- Answer BOTH sections.
- Follow the instructions inside this booklet as to where you should write your answers.

Please turn over

Section II

24 marks

Attempt Questions 11–13

Allow about 45 minutes for this section

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

Question 11 — Australian Textile, Clothing, Footwear and Allied Industries (8 marks)

- (a) Outline ONE factor that can influence the sale price of a textile item. **2**

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- (b) Outline TWO strategies that textile manufacturers could use to reduce their impact on the environment. Support your answer with examples. **3**

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Question 11 continues on page 11

Question 11 (continued)

- (c) Describe how ONE current distribution issue has affected the Australian textile industry.

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End of Question 11

Please turn over

Question 12 — Design (8 marks)

- (a) A coloured checked woven fabric that looks identical on both sides is to be manufactured.

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Describe a suitable method to achieve this checked effect. Include an advantage and a disadvantage of this method.

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Question 12 continues on page 13

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Question 12 (continued)

- (b) The work of contemporary designers can be influenced by current trends and/or inspire new trends.

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Explain this statement with reference to a designer you have studied. Support your answer with examples.

Designer:

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End of Question 12

Question 13 — Properties and Performance of Textiles (8 marks)

- (a) A summer shirt is to be made using a regenerated fibre.

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Identify a suitable regenerated fibre and outline how its properties contribute to the functional requirements of this shirt.

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- (b) Microfibre is often used to make athletic wear.

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Outline how the properties of microfibre enhance the performance of athletic wear.

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- (c) Discuss the use of computer-aided manufacture (CAM) in the production of textiles. Support your answer with examples.

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Allow about 30 minutes for this section

Question 14 — Design (8 marks)

A contemporary designer has been inspired by these traditional methods and/or art forms to create a new range of textile items.

Compare the original production methods and/or art forms with their modern adaptations.

Culture:

[illegible]

– 15 –

[illegible]

– 16 –

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[illegible]

– 17 –

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– 18 –

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