



2001

**HIGHER SCHOOL CERTIFICATE
EXAMINATION**

Textiles and Design

General Instructions

- Reading time – 5 minutes
- Working time – $1\frac{1}{2}$ hours
- Write using black or blue pen
- Write your Centre Number and Student Number at the top of pages 5, 7 and 9

Total marks – 50

Section I Pages 2–4

10 marks

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

Section II Pages 5–10

25 marks

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

Section III Page 11

15 marks

- Attempt either Question 14 or 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.

Select the alternative A, B, C or D that best answers the question. Fill in the response oval completely.

Sample: $2 + 4 =$ (A) 2 (B) 6 (C) 8 (D) 9
 A ☐ B ☒ C ☐ D ☐

If you think you have made a mistake, put a cross through the incorrect answer and fill in the new answer.

A ☒ B ☒ C ☐ D ☐

If you change your mind and have crossed out what you consider to be the correct answer, then indicate the correct answer by writing the word **correct** and drawing an arrow as follows.

A ☒ B ☒ C ☐ D ☐
 correct ↗

- 1 Which of the following garments provides the best medium for self-expression?
 - (A) Aerobic leotard
 - (B) Business suit
 - (C) Hospital gown
 - (D) Police uniform

- 2 Which of the following techniques would be used to consistently reproduce an accurate image on a textile item/s?
 - (A) Appliqué
 - (B) Dyeing
 - (C) Hand embroidery
 - (D) Heat transfer printing

- 3 The following alternatives contain factors that could determine the success or failure of a designer. Which alternative contains only internal factors?
 - (A) Environmental, facilities, financial
 - (B) Expertise, facilities, financial
 - (C) Expertise, environmental, cultural
 - (D) Financial, environmental, cultural

- 4 Use the care label to answer this question.

	Hand washable in warm water Warm rinse Dry in shade
	Do not tumble dry
	Warm iron
	Dry cleaning recommended

For which item of clothing would the care label be most suitable?

- (A) Cotton sports shirt
- (B) Lycra bike shorts
- (C) Nylon swimsuit
- (D) Wool jumper

- 5 Which of the following products indicates how the Australian Textiles, Clothing, Footwear and Allied Industries have satisfied changing consumer demands?
- (A) Cotton tablecloths
 - (B) Sun-safe beach suits
 - (C) Dry clean-only jackets
 - (D) Viscose rayon business shirts
- 6 Which of the following best explains the meaning of the term *product life cycle*?
- (A) The development of a product from idea to market introduction
 - (B) The durability of a product during use
 - (C) The popularity of a product from market introduction to redundancy
 - (D) The progression of a product from idea to production
- 7 Which of the following finishing techniques is most appropriate for a fabric to be used on the seats in a movie theatre?
- (A) Mildewproof and calendered
 - (B) Non-pilling and water-repellent
 - (C) Sanforised and antistatic
 - (D) Soil-resistant and fire-retardant
- 8 Identify the most suitable fabric for use on outdoor furniture.
- (A) Cotton fibre, carded yarn, twill weave fabric
 - (B) Nylon fibre, staple spun yarn, warp knit fabric
 - (C) Polyester fibre, filament yarn, plain weave fabric
 - (D) Viscose rayon fibre, filament yarn, satin weave fabric
- 9 Which one of the following structures makes wool suitable for dyeing?
- (A) Amorphous structure
 - (B) Crystalline structure
 - (C) Hydrophobic structure
 - (D) Morphological structure
- 10 Which of the following would NOT assist in controlling potential environmental damage caused by the textile industry?
- (A) Globalisation
 - (B) Government legislation
 - (C) Pollution control
 - (D) Recycling

Textiles and Design

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Centre Number

Section II

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25 marks

Student Number

Attempt Questions 11–13

Allow about 45 minutes for this section

Answer the questions in the spaces provided.

Marks

Question 11 — Australian Textiles, Clothing, Footwear and Allied Industries

(5 marks)

- (a) List TWO current issues that are affecting the restructuring of the Australian Textiles, Clothing, Footwear and Allied Industries. **2**

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- (b) Select ONE target market **3**

Outline the place and distribution channels, price structure and promotion strategies for the target market selected.

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Centre Number

Section II (continued)

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Student Number

Marks

Question 12 — Design (10 marks)

- (a) Identify ONE historical development for ONE focus area, and describe the influence of the historical development on textile design in contemporary society. 2

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- (b) Describe the method of decoration called *appliqué*. 2

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Question 12 continues on page 8

Question 12 (continued)

- (c) Identify a specific culture you have studied.

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- (i) Describe TWO design features of textile items typical of this culture. **2**

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- (ii) Explain how these design features have influenced contemporary textile design. **4**

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End of Question 12

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Centre Number

Section II (continued)

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Student Number

Marks

Question 13 — Properties and Performance of Textiles (10 marks)

- (a) Explain how a finishing technique can be used to enhance fabric performance for a specific end-use. 2

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- (b) Explain the impact ONE technological advance in machinery has had on the production of textiles. 2

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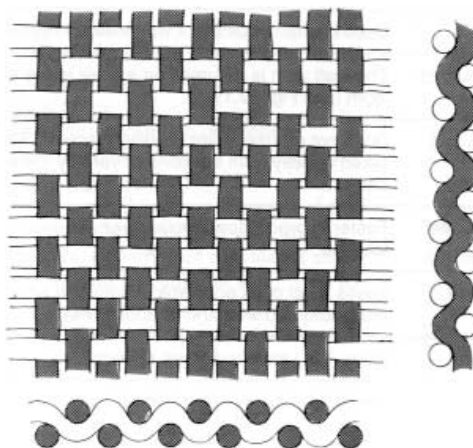
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Question 13 continues on page 10

Question 13 (continued)

- (c) Identify the fabric structure in the diagram. Explain why it is an appropriate structure for a cotton hat. 2



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- (d) (i) Identify a specific end-use that requires excellent abrasion resistance in a fabric. 1

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- (ii) Describe how the fabric structure, yarn structure and fibre content optimise abrasion resistance. 3

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End of Question 13

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Section III

15 marks

Attempt either Question 14 or Question 15

Allow about 30 minutes for this section

Answer the question in a writing booklet. Extra writing booklets are available.

	Marks
Question 14 — Design (15 marks)	
(a) (i) Identify TWO external factors that influence the success or failure of designers.	2
(ii) Describe the impact of ONE of these external factors in detail.	3
(b) Name a contemporary designer. Describe the factors that have influenced this designer, and analyse how the designer has influenced current trends.	10

OR

Question 15 — Properties and Performance of Textiles

 (15 marks)

(a) (i) Identify TWO innovations in fabric, yarn or fibre development.	2
(ii) Describe ONE of these innovations in detail.	3
(b) Explain how the innovation you described in part (a) (ii) affects society and the environment.	10

End of paper

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