



**B O A R D O F S T U D I E S**  
NEW SOUTH WALES

**2003**

**HIGHER SCHOOL CERTIFICATE  
EXAMINATION**

# Textiles and Design

## General Instructions

- Reading time – 5 minutes
- Working time – 1½ 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** Page 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* ↙

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- 1** According to government legislation, which of the following textile items must be designed to reduce fire hazard?
- (A) Bed linen
  - (B) Children's sleepwear
  - (C) Lounge covers
  - (D) School uniforms
- 2** Which of the following is an example of functional design?
- (A) Decorative embroidery
  - (B) False pocket
  - (C) Lace trim
  - (D) Velcro fastening
- 3** For which textile item would a cotton carded yarn, twill weave fabric be most suitable?
- (A) Formal dress
  - (B) Hand towel
  - (C) Underwear
  - (D) Work overalls
- 4** Which of the following are all principles of dyeing?
- (A) Absorption, wetting-out, abrasion
  - (B) Agitation, migration, fixation
  - (C) Decoration, absorption, fixation
  - (D) Migration, abrasion, wetting-out
- 5** Which of the following fabrics requires yarn dyeing to achieve the same colour design on both sides of the fabric?
- (A) Woollen check
  - (B) Tie-dyed jersey
  - (C) Striped non-woven
  - (D) Cotton floral print

- 6 Which of the following properties of synthetic fabrics has been enhanced by the introduction of micro fibres?
- (A) Abrasion resistance
  - (B) Dimensional stability
  - (C) Drapability
  - (D) Heat resistance
- 7 Which of the following defines a niche textile product? A textile product which
- (A) meets the needs of a specialised customer base.
  - (B) is designed and manufactured overseas.
  - (C) requires an increased skill level of workers for its manufacture.
  - (D) copies an existing product.
- 8 Identify the most suitable fabric for lace curtains.
- (A) Cotton fibre, monofilament yarn, double knit
  - (B) Polyester fibre, high twist yarn, sateen weave
  - (C) Polyester fibre, multifilament yarn, raschel knit
  - (D) Viscose rayon, staple spun yarn, Jacquard weave
- 9 Which of the following techniques would be used to reproduce a single large logo onto fine fabric for use as a promotional banner on the exterior of a multi-storey building?
- (A) Block printing
  - (B) Computer-linked embroidery
  - (C) Digital imaging
  - (D) Roller printing
- 10 Which of the following are all features of the restructured Australian Textile, Clothing, Footwear and Allied Industries?
- (A) Shrinking global markets and decreased exports
  - (B) Growth in local manufacture and decreased level of tariff protection
  - (C) Increased level of tariff protection and decreased skill level of workers
  - (D) Multi-skilled workers and decreased level of tariff protection

# Textiles and Design

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Centre Number

## Section II

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Student Number

25 marks

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) (i) Identify ONE environmental concern associated with the Australian textile industry. 1

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- (ii) Outline a practice that the textile industry has adopted to address this environmental concern. 2

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- (b) Describe how the textile industry has utilised appropriate textile technology to address an environmental problem. 2

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Question 12 (continued)

- (c) Analyse the factors that have determined the success of this designer. **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) (i) Identify TWO innovations in fabric finishing techniques. **2**

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- (ii) Explain the impact of ONE of these innovations on fabric performance. **2**

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**Question 13 continues on page 10**



## Textiles and Design

### 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.

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	<b>Marks</b>
<b>Question 14 — Design</b> (15 marks)	
(a) Identify THREE external factors that have influenced the development of textile designs used by a specific culture.	<b>3</b>
(b) For a culture you have studied, describe how textiles have been used as a medium for self-expression and communication.	<b>4</b>
(c) Analyse the effects of culture on textile design in contemporary society. Include examples in your answer.	<b>8</b>

**OR**

### **Question 15 — Properties and Performance of Textiles** (15 marks)

(a) Identify and describe a new or emerging textile technology used in the construction of textile items.	<b>3</b>
(b) Evaluate the impact of this technology on the changing nature of the industry.	<b>4</b>
(c) Using TWO examples, explain how innovations in fabric, yarn and/or fibre development have impacted on the manufacturer and society.	<b>8</b>

**End of paper**

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