



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

**2002**

**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** 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* ↙

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- 1** Tariff reduction may determine the success or failure of contemporary designers.  
Tariff reduction is an example of which of the following factors?
- (A) Expertise
  - (B) Political
  - (C) Social
  - (D) Technological
- 2** Which of the following fabrics would be the most appropriate choice for a beach towel?
- (A) Cotton fibre, soft spun yarn, pile weave fabric
  - (B) Cotton fibre, filament yarn, twill weave fabric
  - (C) Viscose rayon fibre, soft spun yarn, plain weave fabric
  - (D) Polyester/cotton blend, filament yarn, pile weave fabric
- 3** The use of which of the following is a cultural influence seen in contemporary apparel and furnishings?
- (A) Microfibre
  - (B) Knit fabric
  - (C) Embroidered textiles
  - (D) Heat transfer printing
- 4** Which of the following are the most important considerations to ensure the sustainability of textile resources?
- (A) Target market, pollution, recycling
  - (B) Recycling, pollution, government legislation
  - (C) Latest design trends, government legislation, recycling
  - (D) Government legislation, latest design trends, globalisation
- 5** Which of the following fabrics requires a finishing process in order to become showerproof?
- (A) Plain weave, carded cotton
  - (B) Plain weave, monofilament nylon
  - (C) Twill weave, multifilament polyester
  - (D) Brushed weft knit, staple spun polyester

- 6 Which of the following are all trends in Australian society that would influence contemporary designers?
- (A) Pollution, multicultural society, gender equality
  - (B) Multicultural society, gender equality, climate change
  - (C) Climate change, two-income families, gender equality
  - (D) Gender equality, two-income families, multicultural society
- 7 Innovations such as computer aided design and computer aided manufacturing can provide several advantages.
- Which of the following would be advantages for the manufacturer?
- (A) Increased productivity, reduction in staff levels, consistent quality
  - (B) Consistent quality, financial outlay for machinery, reduction in staff levels
  - (C) Financial outlay for machinery, increased productivity, consistent quality
  - (D) Increased productivity, industrial relations issues, reduction in staff levels
- 8 Which of the following are important aspects of marketing textile products?
- (A) Personnel, product planning, price structure
  - (B) Price structure, promotion strategies, personnel
  - (C) Product planning, price structure, promotion strategies
  - (D) Place and distribution channels, product planning, personnel
- 9 What are bicomponent yarns?
- (A) Two different yarns plied together
  - (B) Yarns consisting of two different natural fibres
  - (C) Yarns consisting of fibres of two different colours
  - (D) Yarns consisting of fibres made from two polymers extruded simultaneously
- 10 Large multicoloured graphic designs on mass-produced T-shirts are achieved by which of the following fabric decoration methods?
- (A) Embroidery
  - (B) Resist dyeing
  - (C) Screen printing
  - (D) Roller printing

# 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) Explain one way the Australian government has attempted to make the Australian Textiles, Clothing, Footwear and Allied Industries more competitive internationally. **2**

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- (b) Discuss why many Australian textiles, clothing and footwear companies have chosen to manufacture their goods overseas. **3**

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Centre Number

Section II (continued)

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Student Number

**Marks**

**Question 12 — Design** (10 marks)

- (a) Distinguish between functional and aesthetic design. **2**

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- (b) (i) Identify ONE of the principles used in textile dyeing. **1**

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- (ii) Describe and evaluate how an experiment you have conducted demonstrated this textile dyeing principle. **3**

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**Question 12 continues on page 8**

Question 12 (continued)

- (c) Identify and describe a process of applying colour to textiles used by a culture of your choice. **4**

Culture .....

Process .....

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**End of Question 12**



# Textiles and Design

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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 a recent innovation in decorative techniques used in the production of textiles. **1**

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- (ii) Discuss the impact of this innovation for each of the following: **4**

Consumer .....

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Manufacturer .....

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**Question 13 continues on page 10**

Question 13 (continued)

- (b) (i) Name a recent innovation in fibre, yarn or fabric that enhances fabric performance. **1**

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- (ii) Describe the innovation named and explain how it enhances the performance of a fabric. **4**

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**End of Question 13**

## 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)	
This question relates to your study of historical design developments of a textile focus area.	
Identify your selected focus area.	
(a) Outline historical design developments in textiles relevant to this focus area.	<b>5</b>
(b) Analyse the impact of historical design developments in your selected focus area on contemporary textiles.	<b>10</b>

**OR**

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

(a) Outline technological advances in machinery that have impacted on the production of textile items.	<b>5</b>
(b) Evaluate the impact of the technological advances in machinery outlined in part (a) on the changing nature of the industry.	<b>10</b>

**End of paper**

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