



BOARD OF STUDIES
NEW SOUTH WALES

2006

**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 5–9

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 method of fabric decoration could produce a decorative design with a raised surface?
- (A) Digital printing
 - (B) Hand embroidery
 - (C) Heat-transfer printing
 - (D) Yarn dyeing
- 2** Which cultural influences could impact on textile art forms?
- (A) Tariffs, globalisation and religious practices
 - (B) Tariffs, geographic location and workers' skills
 - (C) Religious practices, resource availability and globalisation
 - (D) Technological development, geographic location and religious practices
- 3** Which of the following roles best describes the work of a costume designer?
- (A) Designing apparel for dance and theatre production
 - (B) Designing stage sets and props for theatre production
 - (C) Communicating production plans for props and makeup
 - (D) Communicating production specifications for non-apparel items
- 4** Which of the following is the most suitable fibre, yarn and fabric structure for a disposable surgical gown?
- (A) Nylon, filament, tricot knit
 - (B) Polyester, filament, single knit
 - (C) Cotton, staple yarn, twill weave
 - (D) Rayon, staple yarn, needle-punched web
- 5** How could the product life cycle of a textile item be extended?
- (A) Introduce a new product
 - (B) Increase the product price
 - (C) Decrease the product quality
 - (D) Modify and update the product

- 6 Which of the following apparel items requires properties of high absorbency, light weight and excellent strength?
- (A) Business suit
 - (B) Football jersey
 - (C) Sleepwear
 - (D) Swimwear
- 7 Which is an example of a soil-resistant finish?
- (A) Mercerisation
 - (B) Proban®
 - (C) Sanforisation
 - (D) Scotchgard™
- 8 Which of the following has contributed to increased productivity, and a reduction in the number of textiles workers in the Australian textiles industry?
- (A) Increased consumer awareness
 - (B) Computer-aided manufacturing
 - (C) Development of technical textiles
 - (D) Increased environmental sustainability
- 9 Which property makes cotton suitable for printing?
- (A) Crystalline structure
 - (B) Dimensional stability
 - (C) Hydrophilic nature
 - (D) Hydrophobic nature
- 10 Australian textile companies are increasingly sourcing the production of yarn and fabric off-shore. Why has this restructuring of the industry occurred?
- (A) Cost of manufacturing
 - (B) Changing consumer demands
 - (C) Development of an export market
 - (D) Demand for environmentally-friendly products

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) Define the term *target market*. 1

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- (b) (i) State the differences between a niche textile product and a mass-produced textile product. 2

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- (ii) Outline TWO changing consumer demands that have led to the development of niche textile products. 2

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Centre Number

Section II (continued)

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Student Number

Marks

Question 12 — Design (10 marks)

- (a) Describe the steps involved in the technique of appliqué. **3**

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- (b) Discuss the impact of textile production and textile art forms on a culture you have studied. **3**

Culture studied

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Question 12 continues on page 8

Question 12 (continued)

- (c) Historical developments have impacted on textiles in contemporary society. **4**

Explain this statement with reference to TWO historical developments from a focus area you have studied.

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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) Identify TWO essential fabric properties for swimwear. **2**

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- (b) Explain how a nylon, elastomeric, core-spun yarn, knit fabric would achieve the properties required for swimwear. **4**

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- (c) Evaluate the impact of TWO technological advances in machinery on the production of textile items. **4**

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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.

	Marks
Question 14 — Design (15 marks)	
(a) Explain the influence of one contemporary designer's work on current trends in the textile industry.	5
(b) With reference to the designer identified in part (a), explain the impact of current economic issues, the designer's expertise and use of facilities on the success of the designer.	10

OR

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

(a) Describe ONE textile innovation and explain how the fibre and/or fabric structure of this innovation enhances the performance of the final product.	5
(b) With reference to the innovation identified in part (a), explain how this innovation has impacted on the environment, consumer and manufacturer.	10

End of paper

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