



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

2012

**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
Black pen is preferred
- 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 for Questions 1–10.

- 1 Which of the following methods of fabric decoration creates a raised surface?
 - (A) Dyeing
 - (B) Appliqué
 - (C) Stencilling
 - (D) Digital printing

- 2 Which of the following outdoor textile items is used specifically to communicate cultural self-expression?
 - (A) A parachute
 - (B) A sail of a boat
 - (C) A garden umbrella
 - (D) A sporting team banner

- 3 Through research, a company has determined which sections of the community prefer its range of textile products.

What has this company identified?

 - (A) Target markets
 - (B) Price structure points
 - (C) Suitable distribution channels
 - (D) Affordable promotion strategies

- 4 A company in the textile industry requires all its staff members to participate regularly in training.

Which of the following does this address?

- (A) Changing consumer demand
 - (B) Manufacturing strategies
 - (C) Skill levels of workers
 - (D) Globalisation of design
- 5 What would be the most suitable end-use for a nylon fibre, multi-filament yarn, plain weave fabric?
- (A) Fleece jumpers
 - (B) Camping tents
 - (C) Women's leggings
 - (D) Children's overalls
- 6 What economic benefit has resulted from the introduction of computer-linked machines in the mass-production of textile items?
- (A) Faster manufacturing times
 - (B) Individual design availability
 - (C) Simplified distribution channels
 - (D) Greater employment opportunities
- 7 Outfits worn by athletes at the opening ceremonies of Olympic Games are generally designed to reflect cultural identity.
- What is this an example of?
- (A) Design influencing society
 - (B) Design influencing fashion
 - (C) Society influencing design
 - (D) Fashion influencing design

- 8 Which combination of fibre, yarn and fabric structure would be the most suitable for a sports bag?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
(A)	cotton	filament	twill weave
(B)	polyester	filament	plain weave
(C)	nylon	staple	twill weave
(D)	wool	staple	plain weave

- 9 A manufacturer chooses bamboo fibre for the production of t-shirts, because bamboo is fast growing, requires no pesticides and uses little water for growth.

What is the overall advantage of growing bamboo fibre?

- (A) It minimises pollution.
(B) It is an effective use of recycling.
(C) It is an innovative textile resource.
(D) It has a minimum impact on the environment.
- 10 To be successful, designers need to have design expertise and access to facilities to produce their clothing ranges.

Which of the following best relates to these two factors?

- (A) The development of online marketing strategies and the use of industrial sewing machines
(B) The development of online marketing strategies and the availability of distribution channels
(C) Knowledge of garment construction techniques and the use of industrial sewing machines
(D) Knowledge of garment construction techniques and the availability of distribution channels

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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. These spaces provide guidance for the expected length of response.

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

(5 marks)

- (a) Outline TWO features of the maturity stage of a product’s life cycle. 2

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- (b) Consumer demand for original vintage clothing items has increased in recent years. 3

How might this trend contribute to the sustainable use of textile resources?

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Section II (continued)

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Student Number

Question 12 — Design (10 marks)

- (a) Why is it important to apply heat in the process of colouring textiles? 2

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- (b) For a textile art form from a culture you have studied, describe how a traditional production method has been adapted for use in contemporary design. 4

Textile art form:
Culture studied:

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Question 12 continues on page 8

Question 12 (continued)

- (c) For a focus area you have studied, explain how TWO historical design developments have influenced society. **4**

Focus area studied:

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End of Question 12

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Section II (continued)

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

- (a) Outline the advantages to an apparel designer of using computer-aided design. 2

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- (b) How can a fabric finish influence the choice of fabric for a specific end-use? Provide an example in your response. 3

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Question 13 continues on page 10

Question 13 (continued)

(c) The sketch shows the design of a formal dress.



Justify the selection of a suitable fibre, yarn and fabric structure for the formal dress shown.

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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.

Question 14 — Design (15 marks)

Answer parts (a) and (b) in relation to a contemporary designer you have studied. Name the designer in your answer booklet.

- (a) How have trends influenced the work of the designer you have studied? Use examples in your response. **5**
- (b) Economic, political, social, ecological and technological factors can influence the success or failure of a designer. **10**

Explain the impact of THREE of these factors on the career of the designer you have studied.

OR

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

- (a) How can the use of blended fibres and/or yarns produce a fabric with enhanced properties for specific end-use applications? Use examples in your response. **5**
- (b) Describe the advantages and disadvantages of ONE fabric innovation, such as washable webs, for the consumer and for the environment. **10**

End of paper

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