

Textiles and Design

General Instructions

- Reading time – 5 minutes
- Working time – $1\frac{1}{2}$ hours
- Write using black 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 for Questions 1–10.

- 1** Which fabric decoration technique uses stitches to create a raised surface?

 - (A) Embroidery
 - (B) Marbling
 - (C) Patchwork
 - (D) Stencilling

- 2** Some designers use kimono motifs in their fabric design.

What is most likely to have influenced the designers?

 - (A) Religious practices
 - (B) Cultural expression
 - (C) Resource availability
 - (D) Technological development

- 3** In which of the following textile items is the application of a soil-resistant finish most important in maintaining the appearance of the item?

 - (A) Apron
 - (B) Carpet
 - (C) Curtain
 - (D) Bed sheet

- 4** Which aspect of the Australian textile industry has been most affected by globalisation?

 - (A) Clothing design
 - (B) Pattern development
 - (C) Raw fibre production
 - (D) Clothing manufacture

- 5 Which of the following is true of digital printing on textiles?
- (A) It is suitable for all fabrics.
 - (B) The colour range is limited.
 - (C) Fabrics must be pre-treated.
 - (D) The commercial set-up costs are low.
- 6 What type of yarn can be made by inserting a flexible metal thread into a hollow yarn?
- (A) Bicomponent
 - (B) Blended
 - (C) Multifilament
 - (D) Textured
- 7 Some swimwear designers have added sun protective shirts to their collections to address increased concern regarding exposure to the sun.
- What is the best explanation for this?
- (A) Use of available resources
 - (B) Technological development
 - (C) Trends influencing designers
 - (D) Display of designer expertise
- 8 Which combination of fibre, yarn and fabric structure would be the most suitable for thick and stretchy socks?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
(A)	Wool	High Twist Multifilament	Warp Knit
(B)	Cotton	Low Twist Staple	Warp Knit
(C)	Wool	Low Twist Staple	Weft Knit
(D)	Cotton	High Twist Multifilament	Weft Knit

- 9 Which of the following is the best example of an environmentally sustainable practice in large scale commercial fabric dyeing?
- (A) Using natural dyes
 - (B) Managing waste water
 - (C) Using rock salt fixatives
 - (D) Disposing of dye particles to landfill
- 10 A textile item has the following care label.

					
Warm machine wash	Do not bleach	No ironing	Hang to dry	Do not dry clean	No fabric softener

In which of the following textile items is the care label most likely to be found?

- (A) A cotton bath towel
- (B) A wool tailored jacket
- (C) A rayon summer shirt
- (D) A microfibre cleaning cloth

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

Question 11 — Australian Textiles, Clothing, Footwear and Allied Industries (5 marks)

- (a) Outline why some Australian consumers may prefer to buy clothing made from organic fibre sources. **2**

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- (b) Distinguish between mass-produced and niche textile products. **3**

In your answer, provide an example of each.

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Centre Number

Section II (continued)

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Student Number

Question 12 — Design (10 marks)

- (a) Outline ONE principle of textile dyeing. 2

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- (b) Explain how ONE textile art form can be used as a medium for communication. 4

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Question 12 continues on page 8

Question 12 (continued)

- (c) Explain how textile fabric design can be influenced by the availability of resources. **4**

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End of Question 12

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Centre Number

Section II (continued)

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Student Number

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

- (a) What are the functional properties that would make a fabric suitable for a sports shirt? **2**

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- (b) Explain how the use of microfibres in ONE specific textile item enhances the item's performance. **3**

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Question 13 continues on page 10

Question 13 (continued)

- (c) A cotton fibre, staple spun yarn, twill weave denim fabric has been chosen for a pair of jeans. **5**

Justify the choice with reference to fibre, yarn and fabric properties.

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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)

- (a) Describe how designers could respond to economic and social influences to maintain their success. **5**

- (b) Explain how designers' sources of inspiration can be reflected in the fabric decoration and/or fabric colouration used in their designs. Include examples in your answer. **10**

OR

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

- (a) Describe the design features and fabric properties of a reusable shopping bag. **5**

- (b) Explain the effects that the use of computer-linked machines in the textile industry has had on both the consumer and the environment. Include examples in your answer. **10**

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