

# Textiles and Design

## General Instructions

- Reading time – 5 minutes
- Working time –  $1\frac{1}{2}$  hours
- Write using black pen

## Total marks – 50

**Section I** Pages 2–4

### 10 marks

- Attempt Questions 1–10
- Allow about 15 minutes for this section

**Section II** Pages 5–11

### 25 marks

- Attempt Questions 11–13
- Allow about 45 minutes for this section

**Section III** Page 13

### 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** Appliqué is a method of fabric decoration in which
- (A) additional fabric is attached onto another fabric.
  - (B) a squeegee is used to spread paint across a screen.
  - (C) needle and thread are used to create a raised surface.
  - (D) fabric is folded into an even pattern and stitched in place.
- 2** Which of the following is most likely to have been designed to be worn for self-expression?
- (A) A ski jacket
  - (B) A school uniform
  - (C) A rock group t-shirt
  - (D) A high visibility vest
- 3** A designer wants to promote a range of formal dresses to a large number of young people.
- Which of the following strategies would be most effective?
- (A) Conducting a door-to-door campaign
  - (B) Displaying the product in fashion shows
  - (C) Providing free samples at red-carpet events
  - (D) Posting product information on social media

- 4 China has a large silk production industry and a vast number of mulberry trees to feed the silkworms.

Based on the above information, which of the following is most likely to have contributed to the success of the industry?

- (A) Worker status
- (B) Religious practices
- (C) Resources available
- (D) Technological developments

- 5 Which of the following best describes a niche-produced textile item?

- (A) It is economical.
- (B) It caters to specific needs.
- (C) It has a short product life cycle.
- (D) It appeals to the general public.

- 6 A designer has decided to use organic cotton instead of conventional cotton in a range of baby wear.

Which of the following factors is most likely to have led to this decision?

- (A) Ease of washing
- (B) Lower material costs
- (C) Availability of facilities
- (D) Environmental considerations

- 7 For which of the following end uses would a cotton fibre, staple yarn, weft knit fabric be most suitable?

- (A) Backpacks
- (B) Denim jeans
- (C) School jerseys
- (D) Thermal underwear

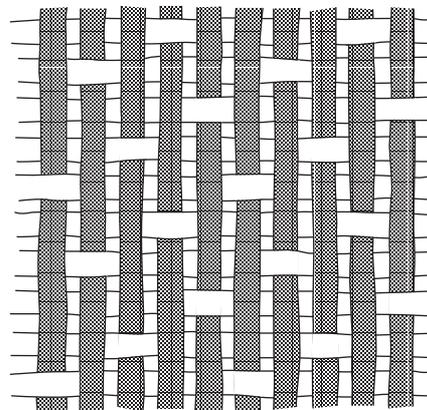
8 Why is heat applied in the process of printing textiles?

- (A) To assist with fixation of pigment
- (B) To encourage migration of pigment
- (C) To achieve exhaustion of colour particles
- (D) To ensure even penetration of colour particles

9 Which fibre, yarn and fabric combination would be most suitable for a rain umbrella?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
(A)	Nylon	Staple	Twill weave
(B)	Nylon	Filament	Plain weave
(C)	Polyester	Staple	Warp knit
(D)	Polyester	Filament	Weft knit

10 The diagram shows a fabric structure.



Which of the following is the most suitable end use for fabric with this structure?

- (A) Tea towel
- (B) School hat
- (C) Work shorts
- (D) Evening wear

# Textiles and Design

--	--	--	--	--

Centre Number

## Section II

25 marks

Attempt Questions 11–13

Allow about 45 minutes for this section

--	--	--	--	--	--	--	--	--

Student Number

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

Extra writing space is provided on pages 9–11. If you use this space, clearly indicate which question you are answering.

Write your Centre Number and Student Number at the top of this page.

---

**Please turn over**

Do NOT write in this area.

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

- (a) Outline how ONE piece of legislation affects the textile industry. **2**

.....  
.....  
.....

- (b) Use an example to show how consumer demand can lead to an increased variety of textile items. **3**

.....  
.....  
.....  
.....  
.....  
.....

Do NOT write in this area.

**Question 12 — Design (10 marks)**

- (a) Justify a functional design feature and an aesthetic design feature of a soft toy. **3**

.....  
.....  
.....  
.....  
.....  
.....  
.....

- (b) Describe how apparel designers can incorporate the recycling trend in their designs. **3**

.....  
.....  
.....  
.....  
.....  
.....  
.....

- (c) Explain how government decisions and the availability of financial resources can both affect the success of textile designers. **4**

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

Do NOT write in this area.

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

- (a) Outline how the application of a soil-resistant finish can enhance fabric performance. **2**

.....  
.....  
.....  
.....

- (b) Describe TWO benefits of using digital printing on textiles. **3**

.....  
.....  
.....  
.....  
.....  
.....

- (c) How can the properties of washable webs enhance the performance of textile items? **5**

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

Do NOT write in this area.

**Section II extra writing space**

**If you use this space, clearly indicate which question you are answering.**

Do NOT write in this area.



**Section II extra writing space**

**If you use this space, clearly indicate which question you are answering.**

Do NOT write in this area.

BLANK PAGE

Do NOT write in this area.

## 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 a textile art form OR a textile production method can be adapted for use in contemporary textile items. Include examples in your answer. **5**
- (b) To what extent has contemporary textile design been influenced by historical design developments? **10**

**OR**

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

- (a) Describe the benefits to the consumer of using microfibre knit fabrics for active sportswear. **5**
- (b) Justify a suitable yarn and fabric structure for a cotton bath towel. In your answer, refer to the fibre, yarn and fabric properties. **10**

**End of paper**

BLANK PAGE