

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** A team of bikini designers aims its products at consumers of a specific gender, age and lifestyle.

What are the designers focusing on?

- (A) Recent trends
- (B) Target market
- (C) Product life cycle
- (D) Global marketplace

- 2** A textile designer has an idea for a new design after seeing flowers in a vase.

What is this an example of?

- (A) Adaptation
- (B) Development
- (C) Inspiration
- (D) Modification

- 3** Which of the following printing methods is the quickest for reproducing a photograph onto fabric?

- (A) Block
- (B) Digital
- (C) Discharge
- (D) Screen

- 4 Which row of the table best describes the characteristics of a washable web fabric?

	<i>Construction</i>	<i>Property</i>	<i>End-use</i>
(A)	Woven	Elastic	Surgical gown
(B)	Woven	Durable	Disposable nappies
(C)	Non-woven	Elastic	Teabag cover
(D)	Non-woven	Durable	Interfacing

- 5 There has been an increase in consumer demand for organically produced textile products.

What consumer desire does this reflect?

- (A) To reduce, reuse, recycle
 - (B) To protect the environment
 - (C) To support local manufacturing
 - (D) To follow government legislation
- 6 Which type of finish would be best to use on stage curtains in a public theatre?
- (A) Soil resistant
 - (B) Fire retardant
 - (C) Crease resistant
 - (D) Moisture retardant
- 7 Which combination of fibre, yarn and fabric structure would be the most suitable for bed sheets?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric structure</i>
(A)	Cotton	High twist staple	Plain weave
(B)	Polyester	High twist staple	Jacquard weave
(C)	Cotton	Low twist staple	Pile weave
(D)	Polyester	Low twist staple	Twill weave

- 8** Which pair of processes is involved in textile printing?
- (A) Agitation and immersion
 - (B) Agitation and heat setting
 - (C) Registration and immersion
 - (D) Registration and heat setting
- 9** Customer needs, fabric quality, labelling requirements and end-use are important factors for the marketing of textile items.
- Which of the following would require all of these factors to be considered?
- (A) The planning of a product
 - (B) The development of a price structure
 - (C) The determination of a product life cycle
 - (D) The identification of distribution channels
- 10** What would be the most suitable end-use for a nylon fibre, multi-filament yarn and plain weave fabric structure?
- (A) A tea towel
 - (B) A baby's singlet
 - (C) A school backpack
 - (D) A swimming costume

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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 how globalisation has affected the types of jobs available in the Australian textile industry. 2

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- (b) Using an example, explain how the recycling of textile items can benefit the environment. 3

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Section II (continued)

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Student Number

Question 12 — Design (10 marks)

- (a) What is
- embroidery*
- ?

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- (b) Outline how a textile art form from a culture you have studied could be incorporated decoratively into a contemporary textile item. You may include a simple labelled sketch in your answer.

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Culture studied:

Textile art form:

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Question 12 continues on page 8

Question 12 (continued)

- (c) Using examples, describe how both expertise and the availability of facilities have influenced the success of a contemporary textile designer.

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Contemporary textile designer:

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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) Outline TWO features of bicomponent yarns.

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- (b) Explain how fabric performance could be enhanced through the application of a fabric finish.

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Fabric finish:

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Question 13 continues on page 10

Question 13 (continued)

- (c) Explain how computer-aided design (CAD) and computer-aided manufacture (CAM) have influenced contemporary textile production. In your answer, give ONE specific example of each.

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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 current trends in society that have influenced designers. **5**
- (b) Explain how society has influenced historical design development in a focus area you have studied. **10**

OR

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

- (a) Describe the impact on consumers of the use of microfibres. **5**
- (b) Justify a suitable fibre, yarn and fabric structure for a jacket to be worn in cold weather. In your answer, refer to fibre, yarn and fabric properties. **10**

End of paper

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