



NSW Education Standards Authority

2018 HIGHER SCHOOL CERTIFICATE EXAMINATION

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 – 10 marks (pages 2–4)

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

Section II – 24 marks (pages 5–8)

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

Section III – 16 marks (pages 9–12)

- Attempt BOTH Question 14 and 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 Bicomponent yarns are produced when two
- A. natural fibres are spun to form a yarn.
 - B. multifilament yarns are twisted together.
 - C. different polymers are extruded together.
 - D. single yarns are twisted to form a ply yarn.
- 2 Which of the following is an example of a washable web?
- A. Surgical mask
 - B. Wound dressing
 - C. Disposable nappy
 - D. Collar interfacing
- 3 Children's socks with a cartoon character design are mass produced.
- What is the best method of printing the design on the socks?
- A. Block printing
 - B. Roller printing
 - C. Resist printing
 - D. Digital printing

- 4 Chris makes hand-embroidered aprons in her spare time. The design of the aprons is changed regularly.

Which of the following is the most suitable distribution channel for Chris to sell these aprons?

- A. Wholesaler
- B. Market stall
- C. Department store
- D. Mail order catalogue

- 5 Copies of a French celebrity's wedding dress are available for sale on the internet the day after the wedding.

This sequence of events could have been influenced by

- A. political factors.
- B. religious beliefs.
- C. globalisation of design.
- D. historical design development.

- 6 In which of the following are both factors examples of geographical influences on textiles?

- A. Geometric motifs and indigo resist dyeing
- B. Close-knit community and respect for the family
- C. Adequate water supply and land to cultivate crops
- D. Skill development of workers and education of business managers

- 7 Which combination of fibre, yarn and fabric is most suitable for making a tent to be carried by a hiker?

- A. Cotton fibre, staple spun yarn, twill weave
- B. Nylon fibre, multifilament yarn, plain weave
- C. Polyester fibre, staple spun yarn, plain weave
- D. Viscose rayon fibre, multifilament yarn, twill weave

8 Tariffs on apparel manufactured overseas have been reduced since the 1980s.

Which of the following shows how this has affected Australian contemporary designers?

- A. It has made imported apparel more expensive.
- B. It has made apparel cheaper to produce in Australia.
- C. It has decreased competition with cheaper textiles from overseas.
- D. It has made imported apparel more competitive in the Australian market.

9 What is one way of preventing an uneven result when dyeing a T-shirt?

- A. Apply heat to the T-shirt before dyeing
- B. Wet the T-shirt thoroughly before dyeing
- C. Soak the T-shirt in hot water immediately after dyeing
- D. Soak the T-shirt in cold water immediately after dyeing

10 Which combination of fibre, yarn and fabric would best suit a carpet to be used in a busy office?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
A.	Nylon	Staple spun	Pile weave
B.	Cotton	Staple spun	Plain weave
C.	Rayon	Multifilament	Jacquard weave
D.	Wool	Multifilament	Uncut pile weave

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Centre Number

Textiles and Design

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Student Number

Sections II and III

Answer Booklet

Instructions

- Write your Centre Number and Student Number at the top of this page
- Use this answer booklet for Sections II and III
- Answer BOTH Sections
- Follow the instructions inside this booklet as to where you should write your answers

Please turn over

Section II

24 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 Textile, Clothing, Footwear and Allied Industries
(8 marks)

- (a) Explain how changes to the production of TWO textile fibres can reduce pollution. **4**

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- (b) Describe how the price of a textile product is determined during the maturity stage of its life cycle, with reference to a range of factors. **4**

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Question 12 — Design (8 marks)

(a) What is the difference between embroidery and appliqué? **2**

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(b) Describe how sources of inspiration have been used by a contemporary designer you have studied. **3**

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(c) How have religious practices influenced textile design in ONE culture? **3**

Name of culture:

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Question 13 — Properties and Performance of Textiles (8 marks)

- (a) Outline how a finishing technique can enhance a fabric's performance. **2**

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- (b) Explain why a nylon/elastomeric yarn is suitable for swimwear. **3**

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- (c) Describe how ONE innovation in textile machinery has benefited the consumer. **3**

Innovation:

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