Textiles and Design

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

General Instructions
• Reading time – 5 minutes
• Working time – 1½ 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
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  During which stage of the textile product life cycle are sales and profits likely to increase?

(A) Growth
(B) Introduction
(C) Maturity
(D) Stabilisation

2  A new design for a bath robe is based on the Japanese kimono.

This could be an example of a contemporary textile design being influenced by

(A) cultural factors.
(B) resources available.
(C) geographic location.
(D) technological developments.

3  Which technique would be the most efficient for applying a logo to caps for a local sporting team?

(A) Roller printing
(B) Hand embroidery
(C) Machine embroidery
(D) Rotary screen printing
4. Which of the following has most influenced the increased use of sun protection factor clothing?
   
   (A) Fashion trends
   (B) Consumer demand
   (C) Swimwear designers
   (D) Government legislation

5. In order to become more successful, designers seek to have their clothes worn by celebrities at red carpet award ceremonies.

    By using this promotional strategy, the designer is demonstrating an awareness of
    
    (A) ecological issues.
    (B) economic conditions.
    (C) technological innovations.
    (D) consumers’ social aspirations.

6. What type of yarn consists of filaments co-extruded from more than one polymer?
   
   (A) Blended
   (B) Spun staple
   (C) Multifilament
   (D) Bicomponent

7. A contemporary designer who values sustainability and ethical practice is most likely to
   
   (A) adapt traditional designs.
   (B) use organically produced materials.
   (C) use technologically advanced materials.
   (D) implement innovative manufacturing processes.
8 What would be the most suitable end-use for a wool fibre, staple spun yarn, and weft knit fabric structure?

(A) Sports track pants
(B) Men’s business suits
(C) Bushwalking socks
(D) Polar fleece jumpers

9 Who is responsible for regulating the safe disposal of waste products from textile industry manufacturing processes?

(A) Industry organisations
(B) Government organisations
(C) Consumer advocacy groups
(D) Environmental activist groups

10 Which combination of fibre, yarn and fabric structure would be the most suitable for a boat sail?

<table>
<thead>
<tr>
<th>Fibre</th>
<th>Yarn</th>
<th>Fabric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester</td>
<td>Low twist staple</td>
<td>Twill weave</td>
</tr>
<tr>
<td>Viscose rayon</td>
<td>High twist filament</td>
<td>Twill weave</td>
</tr>
<tr>
<td>Cotton</td>
<td>Low twist staple</td>
<td>Plain weave</td>
</tr>
<tr>
<td>Nylon</td>
<td>High twist filament</td>
<td>Plain weave</td>
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</table>
Question 11 — Australian Textiles, Clothing, Footwear and Allied Industries
(5 marks)

(a) Distinguish between *niche* and *mass-produced* textile products.  
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(b) How has online shopping for textile products affected consumers?  
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Question 12 — Design (10 marks)

(a) What is appliqué?  
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(b) For a focus area you have studied, discuss the influence of society on the historical design development of textiles. Use examples in your response.

Focus area studied: .............................................................................................
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Question 12 continues on page 8
Question 12 (continued)

(c) Explain how a designer you have studied expresses their inspirations in their designs.

Designer studied: .............................................................................................................

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End of Question 12
Question 13 — Properties and Performance of Textiles (10 marks)

(a) What are *washable webs*?

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Question 13 (continued)

(c) Explain how the introduction of computer-aided manufacture has affected the construction of textile items.

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End of Question 13
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) Explain how ONE of the principles of dyeing can be demonstrated through experimentation. In your response, include a relevant experiment. 5

(b) For a culture you have studied, explain how textile production and textile art forms have been used for self-expression and communication. 10

In your response, name the culture and use examples.

OR

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

(a) Describe the effect that the use of digital printing has on the manufacturer and the environment. 5

(b) Seats in a public theatre need to be covered with fabric that will satisfy fabric performance and safety requirements. 10


End of paper