

7. 8 Which joint could be strengthened by the use of a groove and feather?

- A. Mitre
- B. Finger C. Boxpin D. Dovetail

8. 9 Which of the following is a property of shellac?

- A. Fastdrying B. Waterbased C. Waterproof D. Hardwearing

9. 10 Where would a scribed joint be used?

- 1. Into toolbox assembly
- 2. Joining window frames
- 3. In carcass construction
- 4. Joining moulded boards

Cheaper to manufacture	Easier to finish	Edge treatment not required
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Structurally more stable	Available in large sizes	Edge treatment not required
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## Yr 12 past hsc questions

2022 paper

1. Which of the following best describes embroidery? (2020)

- a. Twisting fibres together to create texture
- b. **Stitching onto fabric to apply colour and texture**
- c. Applying colour to fabric to produce new designs
- d. Interlacing threads to form the desired pattern and fabric

2. Students have designed a cushion cover with a multicoloured pattern consisting of various geometric shapes. They are planning to manufacture and sell the cushion covers at the local markets.

Which method would produce a clear multicoloured pattern quickly and with consistent quality?

- a. Hand piecing the shapes
- b. Roller printing the design

- c. Machine piecing the shapes
- d. Digitally printing the design

3. For a uniform-free day at school, a 12-year-old plans to wear a spotted T-shirt, striped leggings, a frilly purple skirt and aqua socks.

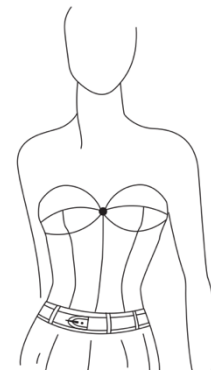
What is most likely to have influenced this choice of outfit?

- a. Convenience
- b. Self-expression
- c. Cultural identity
- d. Religious tradition

4. The diagram shows a corset being worn as outerwear. Corsets were originally only worn as underwear

This change in function reflects

- a. The resources available and societal change
- b. The resources available and economic change
- c. Historical development of design and societal change
- d. Historical development of design and economic change



5. Which of the following would help cotton producers address environmental sustainability concerns?

- a. Controlling pests using natural predators
- b. Disposing of waste into designated landfill
- c. Increasing the use of automated machinery
- d. Using more water to improve the yield produced

6. A treatment can be applied to a fabric to reduce creasing and static and to make it easy to wash.

Which item is likely to benefit most from this fabric treatment?

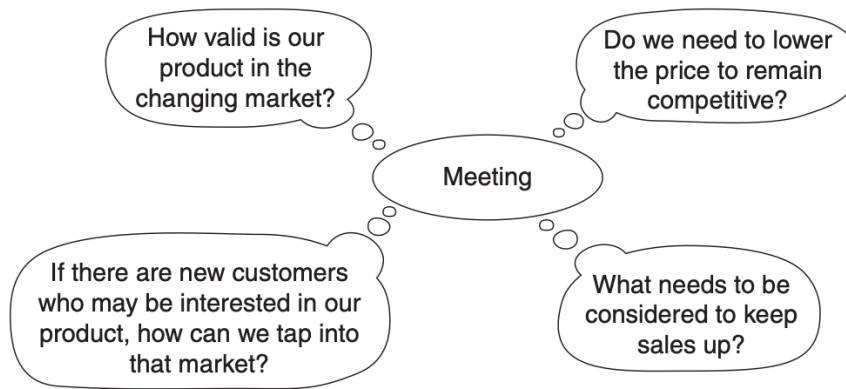
- a. Wool jumper
- b. Linen bedsheets
- c. Nylon/wool carpet
- d. Polyester/linen skirt

7. A weft knit fabric made from a nylon/elastometric biocomponent yarn is suitable for many applications.

For which of the following is this fabric structure and yarn combination most suitable?

- a. A bridal veil
- b. Winter school tights
- c. Pyjamas for children
- d. Curtains for the home

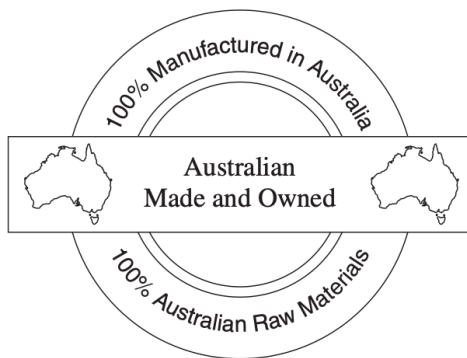
8. A design team is attending a monthly meeting at which the following questions about one of their products are being considered



At what stage of the product's life cycle is this meeting most likely taking place?

- a. Introduction
- b. Growth
- c. Maturity
- d. Decline

9. An Australian clothing company is trying to decide whether to produce items which can carry the following label.



- a. Skill level workers
- b. Supply of raw materials
- c. Local distribution of the items
- d. Competition from overseas markets

10. The diagram shows a cushioned recliner chair that can be folded, easily transported and used outdoors



A fabric is required to cover this chair.

Which fibre, yarn and fabric combination would produce the most durable fabric for the chair?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
a.	Nylon	High twist filament	Twill weave
b.	Nylon	Low twist staple	Plain weave
c.	Polyester	Low twist staple	Twill weave
d.	Polyester	High twist filament	Plain weave

2021 Paper

1. What does sun-safe clothing primarily cater for?

- A. Cultural expression
- B. Changing body size
- C. Skill level of workers
- D. Changing consumer demands

2. Apparel items designed for a specific age group demonstrate the designer's understanding of

- A. inspiration.
- B. target market.
- C. mass production.
- D. manufacturing skills.

3. A fitness centre wishes to embellish its pile-weave towels with a logo. Which of the following is the most appropriate technique for this purpose?

- A. Cross stitch
- B. Block printing
- C. Machine embroidery
- D. Hand-stitched applique

4. What is the most likely reason for using microfibres in the production of textile items?

- A. They do not harm the environment.
- B. They use few raw materials in their manufacture.
- C. They are versatile and can be applied to many uses.
- D. They do not require special machinery during their manufacture.

5. Which statement best compares untreated woollen socks to nylon socks?

- A. Nylon socks are warmer than untreated woollen socks.
- B. Untreated woollen socks make feet sweat, nylon socks do not.
- C. Untreated woollen socks are machine washable, nylon socks are not.
- D. Nylon socks can be heat set into shape, untreated woollen socks cannot.

6. Why are washable web fabrics suitable to use as interfacing?

- A. They are economical as they can be cut in any direction.
- B. They can be used around curves as they can stretch easily.
- C. They can suit any end use as they can be dyed and printed easily.
- D. They are stronger than woven interfacings as their grain line is more rigid.

7. Which of the following identifies only internal factors that can influence designers?

- A. Tertiary training, manufacturing premises, staff employed
- B. Celebrities, government stimulus packages, manufacturing premises
- C. Tertiary training, changes in the value of the Australian dollar, staff employed

- D. Celebrities, changes in the value of the Australian dollar, government stimulus packages

**8** A designer's 2021 collection used ecofriendly fabrics. The range has been broadly popular and the designer is now very successful.

What is the most likely reason for this designer's success?

- A. Their target market is small.
- B. They are responding to current trends.
- C. They pioneered the use of new fabrics.
- D. The products are made quickly and are easily disposed of.

**9.** A designer uses computer aided design (CAD) and computer aided manufacture (CAM) in their business.

Which of the following best reflects this?

- A. Designing using computer software and manufacturing using industrial sewing machines.
- B. Designing using computer software and cutting the fabric using an automated cutting system.
- C. Creating a cutting layout on the computer and applying the fine details using an experienced machinist.
- D. Using state of the art technical drawing tools and manufacturing using industrial sewing machines.

**10** A designer is producing a range of 100% polyester knitwear featuring three stripes of colour. The colourways will be changed mid-season depending on which colours are most popular.

What is the most efficient dyeing method to use?

- A. Top dyeing
- B. Dope dyeing
- C. Skein dyeing
- D. Stock dyeing

2020 Paper

- 5** An interior designer has been asked to design furnishings which acknowledge Australian cultural heritage.

Which of the following best fulfils this brief?

- A. Curtains with Aboriginal motifs
- B. Carpet with a geometric design
- C. Lounge covers with block printing
- D. Wall hanging with a jacquard weave

**2** Some Australian clothing companies manufacture their items in developing countries and then sell them to many other countries.

What is this an example of?

- A. Consumerism

**B. Globalisation**

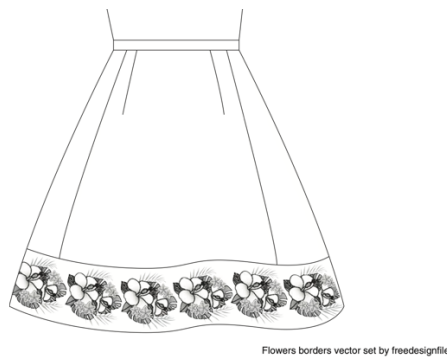
- C. Legislation
- D. Sustainability

**3** After the Sydney Olympic Games many quilt designers around Australia showed an increased interest in producing quilts with an Australian theme.

This increased interest was most likely due to

- A. recycling.
- B. marketing.
- C. innovation.
- D. inspiration.**

**4** A skirt is being produced with a border featuring a complex repeating design of multicoloured flowers, as shown in the diagram.



Which method would produce the border in the shortest time and with the most consistent result?

- A. Appliqué
- B. Block printing
- C. Digital printing**
- D. Hand embroidery

**5** Many rural and regional communities produce original handmade items, including textile items. A social media campaign is being developed to encourage people to buy from these communities. Many of the products will be made available for online purchase.

Which aspects of marketing are most evident in this situation?

<b>a.</b>	Place and distribution channels	Promotion strategies
b.	Place and distribution channels	Product planning
c.	Price structure	Promotion strategies
d.	Price structure	Product planning

**6** Which of the following would NOT have been available prior to the 1950s?

- A. Cotton sheets
- B. Woollen jacket
- C. Nylon stockings
- D. Elastomeric swimwear**

- 7 Which pair of fabric properties is most desirable for a reusable shopping bag made from a washable web fabric?
- A. Absorbency, durability
  - B. Absorbency, resiliency
  - C. Abrasion resistance, durability
  - D. Abrasion resistance, resiliency
- 8 In which of the following has the fabric performance been enhanced by the application of a finishing technique?
- A. Shrink-resistant cotton shirt
  - B. Moisture-wicking activewear
  - C. High-stretch medical bandage
  - D. Non-laddering children's tights
- 9 Which of the following statements is true about a dress made of microfibre polyester?
- A. It crushes easily.
  - B. It is heavy and stiff.
  - C. It is soft and has excellent drape.
  - D. It is made from monofilament yarns.

10 which fibre, yarn and fabric combination is the most suitable for a compression sports garment?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
a.	Nylon/elastomeric	Textured monofilament	Single weft knit
b.	Nylon/elastomeric	Core spun multifilament	Tricot warp knit
c.	Cotton/elastomeric	Core spun multifilament	Single weft knit
d.	Cotton/elastomeric	Textured monofilament	Tricot warp knit

2019 paper

- 1 Which of the following best describes embroidery?
- a. Decorating fabric with fabric dye
  - b. Decorating a base fabric with yarn
  - c. Applying fabric paint to a base fabric
  - d. Applying fabric shapes to a base fabric
- 2 After travelling extensively around Australia, a designer creates a collection of soft furnishings that feature Australian fauna and flora. What is most likely to have influenced the designer?
- A. Economic awareness
  - B. Political considerations
  - C. Inspirational experiences
  - D. Technological developments

3 Which of the following is used in the manufacture of washable webs?

- A. Woven fabrics
- B. Knitted fabrics
- C. Pile weave yarns
- D. Non-woven fibres

4 Which combination of fibre, yarn and fabric would be most appropriate for bed sheets to be used in a hot climate?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
a.	Cotton	Staple spun	Plain weave
b.	Polyester	Core spun	Plain weave
c.	Organic cotton	Multifilament	Sateen weave
d.	Rayon	Monofilament	Sateen weave

5 A designer has decided to modify and rebrand a product, change its packaging and develop a new promotional strategy.

At what stage of the life cycle is this product likely to be?

- A. Introduction
- B. Growth
- C. Maturity
- D. Decline

6 What occurs during the migration stage of dyeing?

- A. The dye solution loses its colour.
- B. The dye molecules move into the fibre.
- C. The dye molecules are set inside the fibre.
- D. The dye molecules move freely in the dye bath.

7 What properties of nylon microfibre make it suitable for athletic wear?

- A. Absorbs water, light weight
- B. Repels water, heavy weight
- C. Releases perspiration, light weight
- D. Retains perspiration, heavy weight

8 Which combination of fibre, yarn and fabric is most suitable for making swimwear?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
a.	Nylon/elastomeric blend	Core spun	Warp knit
b.	Nylon/ acrylic blend	Staple spun	Weft knit
c.	Cotton/wool blend	Core spun	Warp knit
d.	Rayon/elastomeric blend	Staple spun	Weft knit

9 An Australian fashion designer wants to manufacture a new range of designs in Australia. What is the most effective way for the designer to remain competitive with cheaper overseas imports?

- A. Source an overseas manufacturer.
- B. Identify and produce for a niche market.
- C. Employ highly skilled Australian workers.



D. Create a range that is similar to overseas imports.

**10** The most desirable properties in theatre curtains are

- A. flame retardant, soil resistant, light weight.
- B. antibacterial, crease resistant, heavy weight.
- C. crease resistant, light blocking, antibacterial.
- D. flame retardant, light blocking, heavy weight.

2018 paper

- 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>
<b>a.</b>	Nylon	Staple spun	Pile weave
b.	Cotton	Staple spun	Plain weave
c.	Rayon	Multifilament	Jacquard weave
d.	Wool	Multifilament	Uncut pile weave

2017 paper

1 A textile designer receives orders to make more garments after a celebrity is seen wearing their dress.

To which of the following factors is the designer responding?

- A. Ecological
- B. Political
- C. Social
- D. Technological

2 Which of the following is the best example of mass-produced textile items?

- A. Handmade wedding dresses
- B. Made-to-measure business suits
- C. Underwear sold in a department store
- D. Couture garments for a fashion show

3 Why do manufacturers of textile products include care instructions on their labels?

- A. To aid brand identification
- B. To meet consumer demand
- C. To provide public education
- D. To satisfy government legislation

4 Which fabric finish is required by law to be applied to textile furnishings used in a public cinema?

- A. Soil resistant
- B. Fire retardant
- C. Stain retardant
- D. Water resistant

5 Many Australian textile designers are outsourcing the manufacture of their products overseas.

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

- A. Increased local tariffs
- B. Lower production costs
- C. Improved quality of production
- D. Growth in market appeal of imported products

6 A local swim club places an annual order for swimming costumes which require a fabric with a multicoloured, all-over pattern that incorporates the club logo and swimmer's name. Which technique would best suit these requirements?

- A. Digital printing
- B. Screen printing
- C. Hand embroidery
- D. Machine embroidery

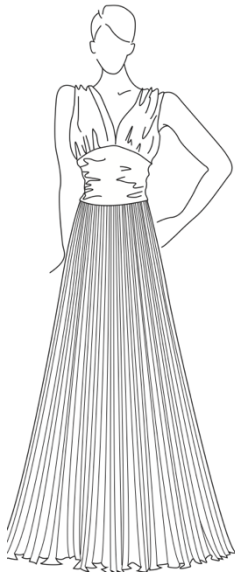
7 Which of the following items best demonstrates the influence of culture on textile design?

- A. A microfibre suit produced in Japan
- B. A beaded bag with an Indian paisley motif
- C. A woollen jumper made from Australian wool
- D. A designer's collection to be shown at Paris Fashion Week

8 Which stage of dyeing allows a textile manufacturer to quickly respond to new colour trends in fashion?

- A. Fabric
- B. Fibre
- C. Solution
- D. Yarn

9 The sketch shows the design of a formal dress



Which properties of a nylon microfibre fabric make it suitable for use in the formal dress shown?

- A. Shrink resistant, cool to wear
- B. Silk-like appearance, absorbent
- C. Smooth handle, good conductor of heat
- D. Good drape, excellent heat-setting ability

10 Which fibre, yarn and fabric combination would be most suitable for a child's kite?

	<i>Fibre</i>	<i>Yarn</i>	<i>Fabric</i>
a.	Nylon	High twist multifilament	Plain weave
b.	polyester	Low twist staple	Twill weave
c.	Acrylic	Texture multifilament	Plain weave
d.	Rayon	Soft spun staple	Twill weave

## 2016 Design

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

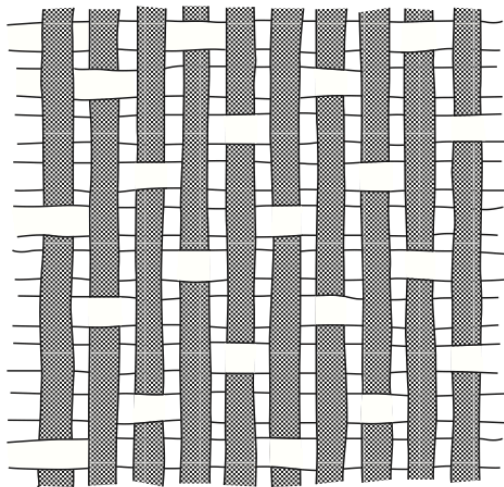
8 Why is heat applied in the process of printing textiles?

- 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?

	Fibre	Yarn	Fabric
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. Eveningwear

2015 paper

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?







	Fibre	Yarn	Fabric
a.	Wool	High twist filament	Warp knit
b.	Cotton	Low twist staple	Warp knit
c.	Wool	Low twist staple	Weft knit
d.	Cotton	High twist filament	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.

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

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

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