

## Section A

You should answer this question.

Question 1 is about design ideas for a textile product.

You should spend about 35 minutes on this question.

### Design Brief

You have been asked to design a textile product suitable to be sold from a high street store.

the textile product must be:

- Based on the theme of INDIA
- Be a product for a TARGET MARKET OF YOUR CHOICE
- Include one or more printing techniques.
- Include one or more surface techniques
- Include one or more SMART/INTERACTIVE techniques
- Include one or more modern/technical fabrics

Here are some images that you could use to help you.



1(a) (i) The images to inspire you were taken from the internet. Name 3 other sources of research you could use to help with ideas for your product

List three different pieces of information you would need to find out before you start to design.

- 1. ....  
.....
- 2. ....  
.....
- 3. ....  
.....

(3 marks)

**Question 1 continues on the next page**

1 (b) (i) You need to sketch your first design ideas before you develop your final textile product.

Use pencil but **do not use colour**.

Using the design brief on page 2, sketch and label two different textile products.

For each idea 6 marks will be given for the following.

- Creativity and originality based on theme of INDIA (2 marks)
- Quality of notes and sketches (2 marks)
- Use of a range of fabrics, components, techniques-using spec on page 2 (2 marks)

**Design Idea A**

**Design Idea B**

1(c) (i) Choose **one** of your design ideas for development.  
Tick the box to show the idea you have chosen to develop.

Design idea **A**

Design idea **B**

Give two reasons why the design idea you have chosen is suitable

- 1 .....  
.....
- 2 .....  
.....

(2 marks)

1(c) (ii) Explain what SMART technology or materials have you included in your design

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

Give 2 ways you could develop your chosen design further

(3 marks)

Look at the mood board provided on page 2

Design a repeat pattern based on these images

Do not use colour

Marks will be awarded for the following

Use of images in this mood board (2 marks)

Creativity and originality of pattern (2 marks)

Quality of drawing (2 marks)

1 b Name the following safety standards. Explain what they mean for children's products.

1 b i



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(2 marks)

1 b ii



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(3 marks)

1 b iii



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- 1 (c) (iii) Use sketches, labelling and notes to present a final design in colour for your textile product for a teenager which shows an INDIAN Theme.

Use this page and the next page to show your textile product in a presentation drawing.

Marks will be given for:

- use of theme (2 marks)
- use of a range of fabrics, components and techniques (3 marks)
- creativity and quality of the design (4 marks)
- effective use of colour in the design (2 marks)
- presentation of final idea. (2 marks)

*Make a list of possible manipulative techniques you could use*

*Make a list of decorative techniques you could use*

*Make a list of fabrics you could use*

*Make a list of components you could use*

*Describe the person who is likely to buy your design*

## Longer questions

Product Analysis – school skirt, technical sportswear, wedding dress, dog harness, baby vest organic cotton, work-wear tool belt,

SMART material technology embroidery threads, Dyes, Glow in the dark, fibre optics, solar panel, photo-chromatic, thermo-chromatic, microencapsulate smell, reflective tape.

Health and safety in textiles manufacturing - signage within a factory, risk assessment

Difference in levels of production – Use of CAD/CAM within the manufacturing of a product. What is a sub-assembly, what is progressive bundle system, explain the term JIT, what are benefits for the manufacturer

Where to buy textiles – internet, retail stores – advantages/disadvantages. What are the advantages/disadvantages of purchasing textiles from an internet retailer? What are the different ways to purchase textile items – compare 3 and list the advantages and disadvantages

ICT as communication – How does ICT help designer and manufacturers communicate when they are positioned globally

Fibres/fabrics – Fabric construction types

What are the properties of WOOL – advantages of a knitted fabric – disadvantages of a knitted fabric

Weaves – twill, plain, satin – diagrams of the knitted constructions

Globalisation – ethical textiles, carbon – What are the advantages of manufacturing abroad, what has the impact been on the textiles industry

Sustainability – Social, moral, cultural impacts of textiles on different societies, wearing of certain garments, child labour/workforce ethics

Environments – 6 R's, carbon footprint – links to sustainability

Disposable fashion – recycling- make do and mend ethos in fashion, investment purchasing – classic over Fad

**Trend forecasts – How do designers pick up on trends for the coming seasons**

**What is a mood board – what's the difference between a mood board and a presentation board**

**Modern/ SMART technical textiles – what developments have there been in Modern/smart textile product. Choose 2 and explain their impact in detail**

**What is the difference between Technical textiles and Smart textiles. Using 2 examples illustrate your answer.**

**Use of electronic in textiles. What developments have there been with Electronics being incorporated in textile fashion products. Explain how they have been used in a product .**

**See climate dress, Dara O Brien Science club – clubbing dress – Philips dress developments, solar panel bag, bra – nike developed a product which monitors heart rate and calories, BHF developed bra alerts ambulance if person is in distress- heart monitor**