



# Design and Technology: Product Design (Textiles)

**TEXT3**

## Unit 3 Design and Manufacture

**Specimen paper for examinations in June 2010 onwards**

**This question paper uses the [new numbering system](#) and [new AQA answer book](#)**

**For this paper you must have:**

- an AQA 8-page unlined answer book
- normal writing and drawing instruments.

**Time allowed**

- 2 hours

**Instructions**

- Use black ink or black ball-point pen. Use pencil and coloured pencils only for drawing.
- Write the information required on the front of your answer book. The **Examining Body** for this paper is AQA. The **Paper Reference** is TEXT3.
- Answer **three** questions.
- Answer **one** question from each of Sections 1 and 2 and **one** other question from either section.
- Do all rough work in your answer book. Cross through any work that you do not want to be marked.

**Information**

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 84.
- You will be marked on your ability to:
  - use good English
  - organise information clearly
  - use specialist vocabulary where appropriate.

**Advice**

- Illustrate your answers with sketches and/or diagrams wherever you feel it is appropriate.

**TEXT3**

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Answer **three** questions.

Answer **one** question from each of Sections 1 and 2 and **one** other question from either Section.

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### Section 1

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#### Question 1

A new range of men's casual jackets is planned.

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| 0 | 1 |
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 What are the properties that the designer would be looking for when selecting fabrics in order for the products to be functional? (10 marks)
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|---|---|
| 0 | 2 |
|---|---|

 Give **two** examples of functional textiles suitable for this product range. (2 × 3 marks)
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|---|---|
| 0 | 3 |
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 Sketch a design for this product range that would enable the user to be protected from the elements. You should clearly indicate the extent to which this product range will function within the environment for which it is intended. (12 marks)

#### Question 2

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|---|---|
| 0 | 4 |
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 What do you understand by the term *ethical trading*? Include in your answer examples related to the textiles industry. (16 marks)
- |   |   |
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| 0 | 5 |
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 Illustrate and annotate in detail a commercial textile product that you consider to be an example of ethical trading. You should provide justification for the example you have selected. (12 marks)

#### Question 3

- |   |   |
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| 0 | 6 |
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 With reference to a designer of your choice, critically analyse how you consider the textile products produced under their name to reflect the time and period in which these products were created. (28 marks)

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**Section 2**

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**Question 4**

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 Health and Safety is a legal requirement within the workplace. Outline the Health and Safety requirements that you consider to be essential when setting up a textile production line. What would the consequences be of non-conformance to these requirements? *(20 marks)*

0	8
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 Comment upon the role of the HSE with specific reference to the textile industry. *(8 marks)*

**Question 5**

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 Tartan or plaid fabric and herringbone twill are very fashionable fabrics. Using notes and diagrams suggest **two** different methods of creating a tartan or plaid fabric and a herringbone twill fabric and provide a detailed analysis of the processes involved. *(2 × 9 marks)*

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 What factors would need to be taken into account when making up a product from this type of fabric? *(10 marks)*

**Question 6**

ICT and New Technology have revolutionised the production of textile products.

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 Compare and contrast two different methods of assembling textile products for volume production and explain how new technology and ICT have been incorporated into these assembly systems. *(2 × 14 marks)*

**END OF QUESTIONS**