

General Certificate of Education  
Summer 2003  
Advanced Level Examination



**DESIGN & TECHNOLOGY: PRODUCT DESIGN (TEXTILES)**      **6551**  
**Unit 6 Written Paper (PD6T)**

Wednesday 25 June 2003 Afternoon Session

**In addition to this paper you will require:**

- an unlined answer book (7024) which is provided separately;
- normal writing and drawing instruments.

Time allowed: 3 hours

**Instructions**

- Use blue or black ink or ball-point pen. Pencil and coloured pencils should only be used 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 PD6T.
- **Answer one question from each of Sections A, B and C and one other question from any section.**

**Information**

- The maximum mark for this paper is 100.
- 24 marks are allocated to each question and 4 marks overall are allocated for quality of written communication.
- Mark allocations are shown in brackets.
- This paper carries 20 per cent of the total marks for Advanced Level.
- You are reminded of the need for good English and clear presentation. The quality of your written communication will be assessed across all questions.

**Advice**

- Your answers should be illustrated with sketches and/or diagrams wherever you feel it is appropriate.

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Answer **one** question from **each** of the three sections and **one** other question from any section.

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**SECTION A**

**Materials and Components**

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- 1 Discuss the types of inorganic fibres used in textiles applications and describe several uses for these fibres. You should make reference to specific inorganic fibres in your answer.

*(24 marks)*

- 2 Advances in textiles technology have affected methods of fibre and yarn formation and fabric construction.

Describe, with reference to advances in textiles technology:

- (a) **Two** methods of fibre or yarn formation.

*(2 x 6 marks)*

- (b) **Two** methods of fabric construction.

*(2 x 6 marks)*

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**SECTION B****Design and Market Influences**

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- 1 (a) The marketing of clothing uses life cycle analysis. Describe a typical clothing production life cycle. *(8 marks)*
- (b) Explain the differences which would occur within a life cycle depending on the type of clothing market sector concerned. *(8 marks)*
- (c) Describe the objectives of an advertising campaign created to generate sales of clothing products. *(8 marks)*
- 2 (a) Define the term “brand awareness” and explain its importance in the textiles industry. *(8 marks)*
- (b) With reference to a designer of your choice, describe how their style and image is reflected in advertising and promotional campaigns. *(16 marks)*

**TURN OVER FOR SECTION C**

**Turn over ►**

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**SECTION C****Processes and Manufacture**

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- 1** It is advisable for manufacturers of textile products to implement a **quality assurance** system.

Explain the meaning of **quality assurance** and outline the advantages of a quality assurance system and the difficulties of its implementation.

*(24 marks)*

- 2** (a) Describe **two** different commercial methods of applying printed pattern onto fabric.  
*(2 x 5 marks)*

(b) Give **two** examples of products produced by **each** of the methods described in (a) and explain why the printing methods are appropriate for **each** product.

*(2 x 4 marks)*

- (c) Describe what additional finishing methods could be applied to printed fabrics to increase their possible end uses.

*(6 marks)*

**END OF QUESTIONS**