

General Certificate of Education
June 2008
Advanced Level Examination



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

Friday 6 June 2008 9.00 am to 12.00 noon

For this paper you must have:

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

Time allowed: 3 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 PD6T.
- Answer **four** questions.
- 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.
Four of these marks will be awarded for using good English, organising information clearly and using specialist vocabulary where appropriate.
- The marks for questions are shown in brackets.
- There are 24 marks for each question.

Advice

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

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

SECTION A

Materials and Components

- 1 (a) Name a specific fabric that is typically used for **three** of the following products.

Do **not** name the same fabric more than once.

Classic shirt

Tailored suit

Performance swimwear

Upholstered chair

(3 × 1 mark)

- (b) Describe in detail the physical appearance and construction for **each** of the fabrics you have named in part (a).

Give reasons why they are suitable for the applications given.

(3 × 5 marks)

- (c) Select **two** of the products listed in part (a) and name an appropriate finish for each.

Give reasons for your answer.

(2 × 3 marks)

- 2 (a) Name **three** different fabrics or textile products that incorporate inorganic fibres.

(3 × 1 mark)

- (b) Describe how **each** of the inorganic fibres you have named in part (a) are manufactured into fabrics and/or textile products.

(3 × 5 marks)

- (c) With reference to specific examples, discuss the advantages of using inorganic fibres for textile products.

(6 marks)

SECTION B**Design and Market Influences**

- 3 Explain the different issues that would need to be taken into account by each of the following when developing a new range of textile products.
In your answer you should refer to specific products.

- (a) The designer *(8 marks)*
- (b) The manufacturer *(8 marks)*
- (c) The retailer *(8 marks)*

- 4 Name two different brands and/or designers of textile products, that are associated with the United Kingdom.

Explain why they have been influential in the development of the United Kingdom as an international centre for fashion and textiles. In your answer you should refer to specific examples.

You may use notes and diagrams in your answer. *(2 × 12 marks)*

Turn over for the next question

Turn over ►

SECTION C**Processes and Manufacture**

5 *Lay plans* need to be organised according to the type of fabric being used.

(a) Using notes and diagrams, explain the different requirements for **each** of the following fabrics.

- (i) Non-woven felted fabric *(4 marks)*
- (ii) Woven corduroy *(4 marks)*
- (iii) Small spot print cotton lawn *(4 marks)*
- (iv) Striped jersey *(4 marks)*

(b) Outline the problems of matching patterned fabric when constructing textile products. *(8 marks)*

6 (a) Outline the four main stages at which colour can be applied during the textile manufacturing process.

Describe the possible outcomes and effects achieved at each stage. *(4 × 4 marks)*

(b) Name and describe **one** volume production method of printing pattern on to fabric. *(8 marks)*

END OF QUESTIONS