



GCE A LEVEL

A601U10-1



S25-A601U10-1



MONDAY, 2 JUNE 2025 – MORNING

DESIGN AND TECHNOLOGY – A level component 1
Fashion and Textiles

3 hours

A601U101
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ADDITIONAL MATERIALS

In addition to this paper you will need:

a WJEC pink 16-page answer booklet, a calculator, ruler, pencil and coloured pencils.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Answer **all** questions.

Write your answers in the separate answer booklet provided, following the instructions on the front of the answer booklet.

INFORMATION FOR CANDIDATES

When and where appropriate, answers should be amplified and illustrated with sketches and/or diagrams.

The number of marks is given in brackets at the end of each question or part-question. You are advised to divide your time accordingly.

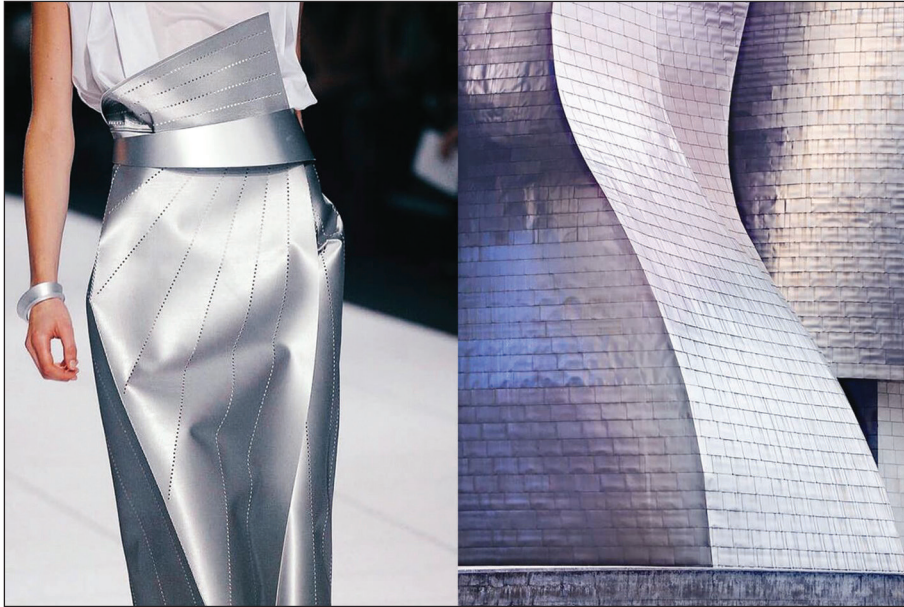
The number of marks available is 100.

You are reminded of the need for good English and orderly, clear presentation in your answers.

You may use a calculator in this examination.

Answer **all** questions.

1. Fashion and architecture are two very different artistic fields. However, fashion designers often find inspiration in buildings, such as the example below.



Designer Issey Miyake took inspiration from the Guggenheim Museum, Bilbao to design the silver leather skirt.

- (a) In terms of innovation, explain how architecture can inspire contemporary fashion. [4]
- (b) Explain how 3D printing lends itself to architecturally inspired fashion design. [4]

2. Flat felled seams have been used in the construction of the cotton twill jacket below.



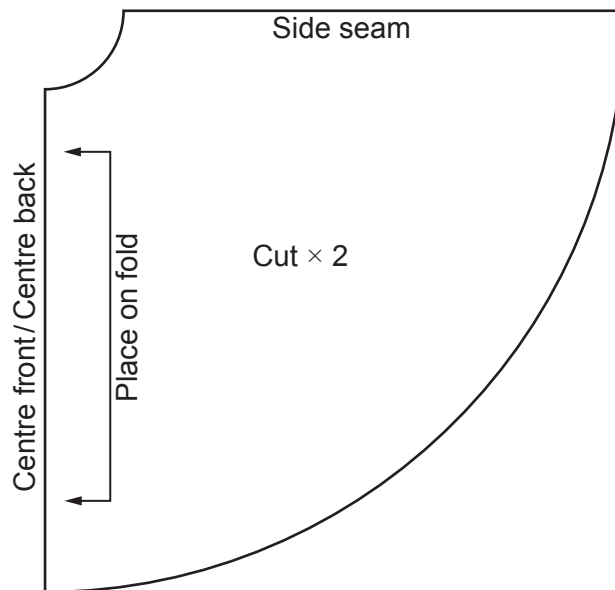
- (a) Using notes and sketches, explain how to construct a flat felled seam. [4]
- (b) Describe **two** different reasons for using a flat felled seam in the construction of the jacket. [4]
- (c) A manufacturer is making a batch of 6,500 jackets. Calculate the percentage (%) saving on the most economical width of fabric to manufacture the batch of jackets based on the following details for one jacket: [7]
- 1.65 m of fabric at 115 cm wide and costs £10.95 per metre
 - 1.40 m of fabric at 150 cm wide and costs £12.50 per metre.

Show all your workings.

3. Viscose is classified as a regenerated fibre.

- (a) Viscose is considered a sustainable fabric based on the cellulosic fibres it is derived from. Explain why some might disagree with its 'green' credentials. [4]
- (b) Explain why viscose is considered an alternative to silk. [4]

4. The template for a circular skirt is shown below.



- (a) (i) When the two side seams are joined the waist measurement will be 70 cm. Calculate the maximum length of the skirt if it is cut from fabric 150 cm wide. The template would be laid on fabric that is folded along the straight grain. [4]

Show all your workings.

- (ii) The designer wishes to shorten the skirt to 45 cm and then add a frill that will be gathered on a ratio of 3:1. Calculate the length of the strip of material needed to form the gathered frill. [4]

Show all your workings.

- (b) Gathers are used to enhance fashion and textile products. Explain why gathers are used when fitting clothing to a body. [4]

5. Many fashion and textile products, like the train case below, are made from vegan leather. The vast majority of vegan leather is produced from polyvinyl chloride (PVC) and polyurethane (PU), both petroleum-based plastics.



- (a) Discuss the long-term impact of petroleum-based, vegan leather products on the environment. [5]
- (b) Vegan leather can be made from organic materials, such as plants, fruits and fungi. Discuss how advertising vegan leather products made from organic-based materials could broaden their appeal. [5]
6. Discuss what the following symbol means and how it applies to fashion and textiles. [5]



7. Many fashion and textile products are manufactured according to seasonal need. [6]
- (a) Manufacturers follow a critical path to ensure seasonal needs are met. Evaluate the importance of a critical path to fashion and textile manufacturers. [6]
- (b) Analyse how an environmental management system (EMS) could support manufacturers in reducing their carbon footprint. [6]

8. Evaluate how recent advances in material technology have positively affected the clothes we wear. Include specific examples in your response. [9]

9. Some people believe that if fashion and textile products last a long time, then they are sustainable – durability is sustainability.

Discuss this statement with reference to fashion and textile products. [9]

10. With the exclusivity that has surrounded Haute Couture in the past, many consider it the domain of only the fabulously rich and famous, whilst others consider it much more important and influential than that.

Analyse the role of Haute Couture and its place in modern day contemporary fashion. [12]

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