

Surname	Centre Number	Candidate Number
First name(s)		2



GCE AS

B601U10-1



S25-B601U10-1



MONDAY, 12 MAY 2025 – AFTERNOON

DESIGN AND TECHNOLOGY – AS component 1

Fashion and Textiles

2 hours 30 minutes

ADDITIONAL MATERIALS

You will need a ruler and calculator.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Do not use gel pen or correction fluid.

You may use a pencil for graphs and diagrams only.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Write your answers in the spaces provided in this booklet. If you run out of space, use the additional page(s) at the back of the booklet, taking care to number the question(s) correctly.

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.

For Examiner's use only		
Question	Maximum Mark	Mark Awarded
1.	8	
2.	13	
3.	8	
4.	14	
5.	10	
6.	5	
7.	12	
8.	9	
9.	9	
10.	12	
Total	100	

B601U101
01



JUN25B601U10101

Answer **all** questions.

1. The dress pictured below is made from a weft knitted fabric.



- (a) Compare **two** characteristic differences between a warp knitted fabric and a weft knitted fabric. 2 × [2]

Characteristic 1:

.....

.....

.....

Characteristic 2:

.....

.....

.....

- (b) Describe the benefits of weft knitted fabrics that make them a popular choice with fashion designers. [4]

.....

.....

.....

.....

.....

.....



2. The bean bag seat pictured below has been designed with a removable covering. The removable covering is made from a plain weave fabric and is 100% polyester.



- (a) Explain **two** advantages to the consumer of being able to remove the seat covering. [4]

.....

.....

.....

.....

.....

.....

- (b) Describe the reasons the designer has selected a plain weave fabric made from 100% polyester for the removable covering. [4]

.....

.....

.....

.....

.....

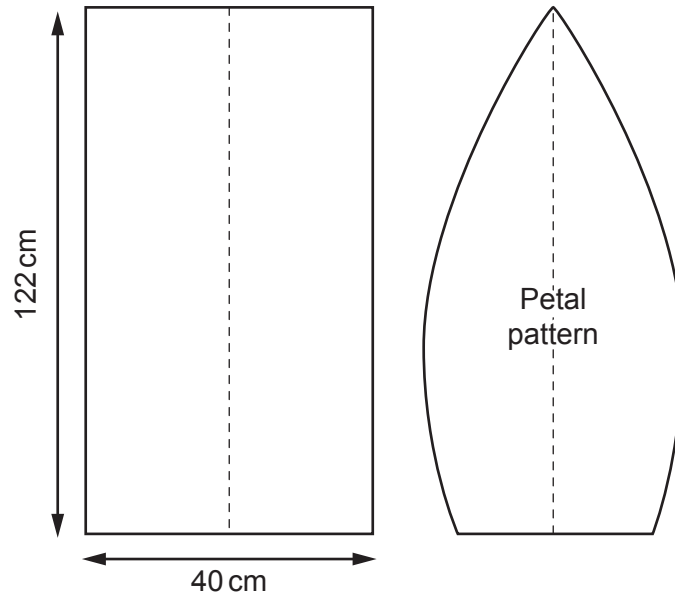
.....



- (c) The bean bag seat covering is formed from six petal-shaped patterns. Each pattern is cut from a rectangle measuring $40\text{ cm} \times 122\text{ cm}$. Calculate the **minimum** length of fabric required to cut the 6 rectangles when the fabric width measures 150 cm . [5]

Note: seam allowance has been included in the measurements provided.

Show all calculations.



.....

.....

.....

.....

.....

.....

.....

.....



3. A lined and quilted puffer jacket is shown below.



- (a) Designers often analyse competitors' products to learn about 'above the line' and 'below the line' features.

Explain what a designer could learn from studying the 'below the line' features of the puffer jacket. [4]

.....

.....

.....

.....

.....

.....



- (b) Using notes and sketches, explain how you could test the insulation qualities of the puffer jacket's material.

[4]

.....

.....

.....

.....

.....

.....

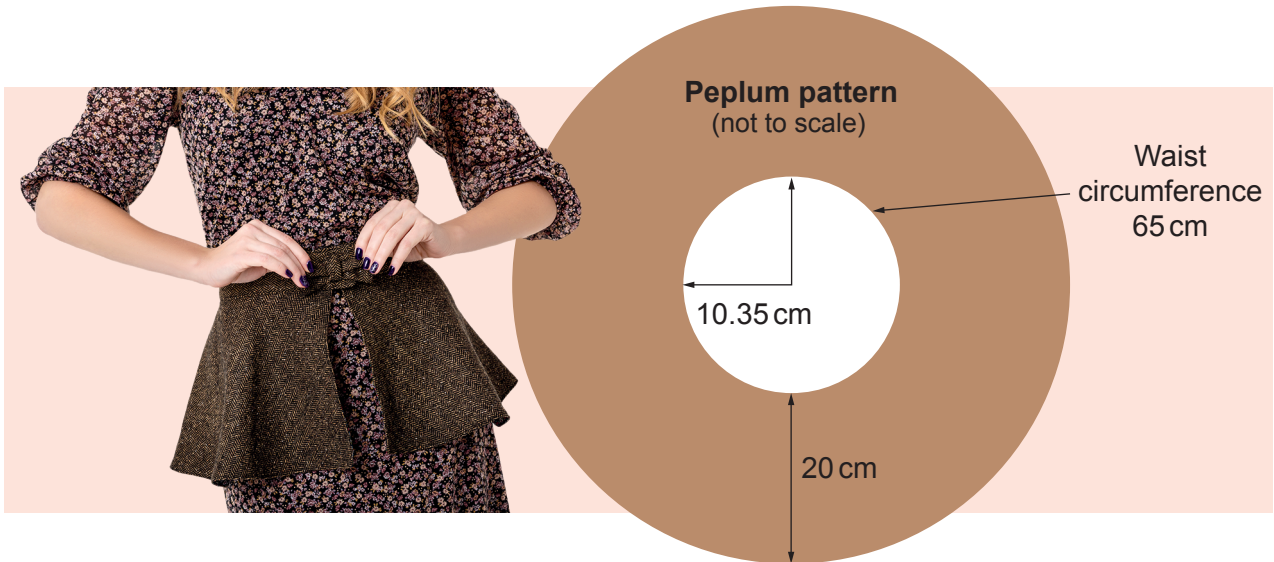


BLANK PAGE

**PLEASE DO NOT WRITE
ON THIS PAGE**



4. The detachable peplum shown in the picture below is made from one circular pattern. The material is made from 100% wool.



- (a) Explain why wool has been used for the peplum material.

[4]

.....

.....

.....

.....

.....

.....



- (b) (i) Calculate the area of the peplum pattern to the nearest whole number. [5]

Show all calculations.

.....

.....

.....

.....

.....

.....

.....

.....

- (ii) Twelve knife pleats are to be added to the peplum waistline. Each pleat measures 4 cm in width.
Calculate the circumference needed to accommodate the 12 pleats. [3]

Show all calculations.

.....

.....

.....

.....

.....

- (c) The fabric costs the manufacturer £2.60 per peplum and all other components and overheads cost £7.20 per peplum.
Calculate the cost to manufacture 145 000 peplums. [2]

Show all calculations.

.....

.....

.....

.....



5. The jumpsuit shown below has been made from 100% silk.



- (a) Explain the reasons silk has been chosen for the jumpsuit.

[6]

.....

.....

.....

.....

.....

.....

.....

.....

.....



- (b) French seams have been used to join the side seams of the silk jumpsuit.
Discuss the suitability of using French seams as a joining method for the jumpsuit. [4]

.....

.....

.....

.....

.....

.....

6. Toiles and models are commonly used by fashion designers during the iterative design process.
Explain why toiles and models are used as part of an evaluative activity. [5]

.....

.....

.....

.....

.....

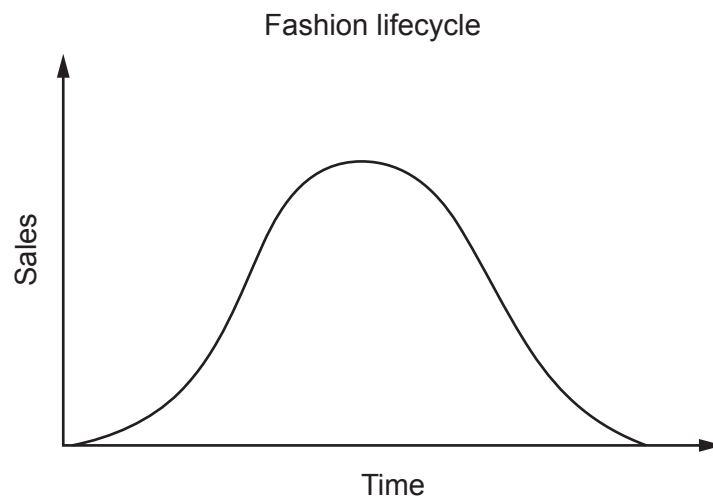
.....

.....

.....



7. A fashion lifecycle shown below displays the sales of a product over a period of time.



- (a) Use the fashion lifecycle shown to analyse the benefits of monitoring the sales of a fashion product during its lifecycle.

[6]

.....

.....

.....

.....

.....

.....

.....

.....

.....



- (b) Evaluate how image makers and trendsetters impact the choices consumers make when buying fashion clothing.

[6]

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



- Analyse how CAD and CAM have revolutionised the speed at which clothes can be manufactured.

[9]



9. It is estimated that 48% of ready to wear clothing will be bought by consumers from online retailers by the year 2027.

Evaluate the moral and social impact of choosing to buy ready to wear clothing online rather than from the high street. [9]

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Explain how pattern markings, found on commercial patterns, help ensure garments can be sewn to fit and function accurately. You may use drawings to help illustrate your answer. [12]

[illegible]

Examiner
only



[illegible]

BLANK PAGE

**PLEASE DO NOT WRITE
ON THIS PAGE**



BLANK PAGE

**PLEASE DO NOT WRITE
ON THIS PAGE**

