

Surname	Centre Number	Candidate Number
First name(s)		2



GCE AS/A LEVEL

2602U10-1



MONDAY, 15 MAY 2023 – AFTERNOON

DESIGN AND TECHNOLOGY – AS unit 1

Fashion and Textiles

2 hours

For Examiner's use only		
Question	Maximum Mark	Mark Awarded
1.	8	
2.	8	
3.	8	
4.	8	
5.	8	
6.	40	
Total	80	

ADDITIONAL MATERIALS

A calculator, ruler, pencils and coloured pencils.

INSTRUCTIONS TO CANDIDATES

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

Answer **ALL** questions.

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

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

INFORMATION FOR CANDIDATES

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 total number of marks available is 80.

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

The quality of your written communication, including appropriate use of punctuation and grammar, will be assessed in your answer to question 2.

Answer **all** questions.

1. The changing robe below is used by surfers who need to dry themselves and change on the beach. The changing robe has a ripstop polyester outer layer and a microfibre lining.



- (a) Explain why microfibres are a suitable material for the lining of the changing robe. [4]

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- (b) Discuss how the style and shape of the changing robe make it suitable for its intended user. [4]

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- 2. Tote bags are a fashionable accessory used by a range of different customers. The tote bags shown below have been made from salvaged and broken PVC pool inflatables.



Evaluate the use of recycled products like the tote bags shown above in relation to the environment, the consumer and the manufacturer.

[8]

Marks will be awarded for the content of the answer and the quality of written communication.

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3. Fashion designers have a responsibility to use eco-friendly fabrics in their garments. The dress below has been produced using fibres made from banana leaves.



- (a) Describe the properties of banana leaf fibres that make them suitable for a garment like the dress shown above. [2]

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- (b) Explain how the use of eco-friendly textiles can become less sustainable when used to make a higher volume of garments. [6]

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4. Sublimation printing has been used to apply the image to the T-shirt shown below.



(a) Describe the main stages you would take to sublimation print the image onto the T-shirt. [4]

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(b) An alternative method of applying the image to the T-shirt would be to use heat transfer paper and a domestic iron. Describe **two** disadvantages of this method. [4]

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5. The socks shown below have been treated with an antibacterial finish.



(a) Explain how an antibacterial finish would be beneficial to the user of the socks shown above. [2]

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(b) The socks are made from 99% nylon and 1% elastane. Explain why these are suitable fibres for the socks. [2]

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(c) Name **two** other fabric finishes that could be applied to the socks and give reasons for your answers. [4]

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6. Some people like to follow contemporary fashion trends by accessorising their outfits, with for example, detachable collars like the ones shown below.



You have been asked to design an **original** and **creative detachable collar** that can be placed over a dress or top to allow the wearer to enhance the look of their existing garments for a special occasion of your choosing.

The design must include:

- a suitable method of fastening
- at least one decorative technique
- at least one specific named style detail
- specific named materials.

- (a) Use annotated sketches and notes to present one design idea in the space that follows.

Marks will be awarded for:

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|-------|---|-----|
| (i) | the quality of communication in terms of an annotated fashion illustration, including reference to the special occasion | [6] |
| (ii) | a creative and original design that will enhance the look of an existing garment | [6] |
| (iii) | details of a suitable method of fastening | [4] |
| (iv) | the use of at least one suitable decorative technique | [2] |
| (v) | the appropriate use of at least one specific named style detail | [2] |
| (vi) | justifying the use of two specific named materials. | [4] |

Draw your design idea in the box below.

Note: You do not need to illustrate the existing garment.

Name of special occasion:



