

Surname	Centre Number	Candidate Number
First name(s)		2



GCE A LEVEL

1602U30-1



WEDNESDAY, 5 JUNE 2024 – AFTERNOON

DESIGN AND TECHNOLOGY – A2 unit 3 Fashion and Textiles

2 hours 30 minutes

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.

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

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 100.

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 10.

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

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01



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Answer **all** questions.

1. A brushed cotton material has been used to make the duvet set shown below, which is aimed at a younger target market.



- (a) Explain why the aesthetics of the duvet set would appeal to potential users. [2]

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- (b) Describe the process of brushing a material. [2]

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(c) Discuss the advantages and disadvantages of using a brushed cotton material for the duvet set. [4]

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03



2. British designer Julien Macdonald is often referred to as the 'King of Glamour'.

(a) Justify the use of the title 'King of Glamour' when used to describe Julien Macdonald's work. [4]

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(b) Designers like Julien Macdonald often use satin weave fabrics in their collections. Using notes and sketches, explain how satin weave fabrics are constructed and how this lends itself to glamorous clothing. [4]

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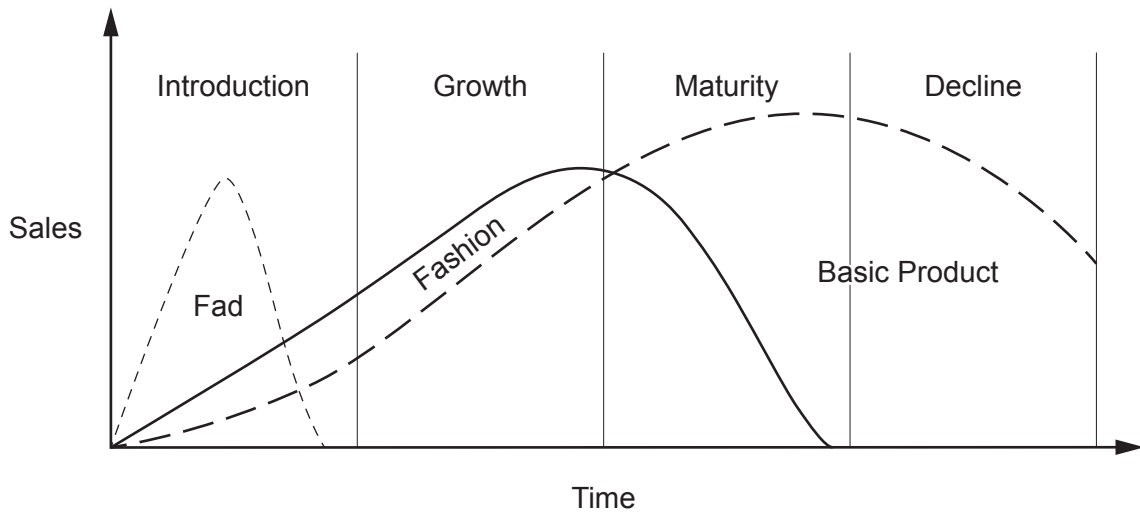


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3. The graph below shows the life cycles of different categories of products.



(a) Explain when a fashion product is considered obsolete. [2]

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(b) (i) Explain what is meant by the term fashion Fad. [2]

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(ii) Explain why fashion Fad products have a negative impact on the environment. [4]

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(c) Explain how influencers and trendsetters can impact the sales of a fashion product. [4]

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4. Hemp shares very similar properties and qualities with other cellulosic fibres.

(a) Using notes and sketches, explain how hemp fibre is able to absorb up to 20% water vapour without feeling damp. [4]

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(b) Explain how hemp fibre crops have less of an environmental impact when compared with other cellulosic fibres. [3]

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(c) Hemp fibre has additional properties when compared with cotton fibre.
Discuss how hemp's additional properties make it a potentially superior fabric for use in summer clothing. [5]

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5. The two 100% wool jumpers shown below were originally the same size. Through lack of care during washing, the darker jumper shrunk.



- (a) Explain what causes wool fibres to shrink.

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- (b) State the name of a finish that would prevent wool fibres from shrinking and explain how this finish works.

[4]

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6. The Health and Safety at Work Act requires all employers to supply workers with PPE (Personal Protective Equipment) where appropriate.

(a) The chain mail glove shown below would be listed as PPE. Explain who would be supplied with the chain mail glove and how it would protect them. [4]



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- (b) Vests like the ones shown below would be worn by workers in many industrial environments such as road construction and building sites as part of their PPE. Explain the significance of the fluorescent colours and reflective strips used on the vests. [4]



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7. The iconic Yves Saint Laurent dress pictured below was inspired by the work of the artist Mondrian.



- (a) The dress was constructed by using panels to create the look. Explain the importance of accuracy and precision when constructing the Mondrian-inspired dress. [2]

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(b) Using notes and sketches, describe a process that could be used to finish the neckline that is neat and not visible on the outside of the dress. [6]

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(c) Explain how the work of designers like Yves Saint Laurent influences mainstream fashion. [4]

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8. A feasibility study was carried out to determine the commercial viability of the new ergonomically designed backpack shown below.



- (a) Explain what a feasibility study involves and why it would have been carried out before designing the backpack shown. [4]

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