

Friday 15 October 2021 – Morning

A Level in Design and Technology: Fashion and Textiles

H405/02 Problem Solving in Fashion and Textiles

Time allowed: 1 hour 45 minutes

You must have:

• the Resource Booklet

You can use:

- a ruler (cm/mm)
- · a scientific calculator
- · geometrical instruments



Please write clearly in black ink. Do not write in the barcodes.												
Centre number				Candidate number								
First name(s)												
Last name												

INSTRUCTIONS

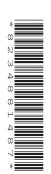
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. You can use extra paper if you need to, but you must clearly show your candidate number, the centre number and the question numbers.
- Answer all the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for a correct method, even if your answer is wrong.
- Each question tells you which part of the Resource Booklet to refer to.

INFORMATION

- The total mark for this paper is 70.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has 16 pages.

ADVICE

· Read each question carefully before you start your answer.



Answer all the questions.

Before responding to the questions in this paper you must spend time reading and familiarising yourself with the Resource Booklet.

1 There are a wide range of products available on the market to meet the requirements of employees in the food preparation sector.

Critically examine primary user and wider stakeholder requirements that would have been considered when designing protective clothing for employees preparing food in the hospitality industry.

Refer to information on pages 2 and 3 of the Resource Booklet.	[8]

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2* As identified on **page 3** of the Resource Booklet, the basic structure of the traditional chef jacket has remained largely unchanged for the last century.

Some designers have updated the style to make it more suitable to meet modern day requirements and standards.

The designers working for 'La Cucina' need to consider the viability of existing solutions in order to develop a product that will meet the primary user feedback as shown in **Fig. 2** of the Resource Booklet.

Compare and contrast the suitability of the existing products shown in **Fig. 3** of the Resource Booklet in meeting this primary user feedback.

Refer to information on pages 3 and 4 of the Resource Booklet.	[12]

Fig. 4 of the Resource Booklet shows a concept chef jacket idea presented by a designer at La Cucina to help resolve issues that have been highlighted by the primary user. The designer has retained the successful elements of the iconic chef jacket but has created a removable and reversible bib.

Use sketches and/or notes to show suitable methods of industrial manufacture and assembly for the removable and reversible bib.

Your answer **must** consider all parts of the removable and reversible bib and include:

- pattern templates and markings
- construction techniques
- tools and equipment
- finishing.

Refer to information on page 5 of the Resource Booklet.										

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- **4*** Following the emerging trend for veganism and sustainable living, La Cucina has decided to produce a range of clothing and accessories for the hospitality industry that will satisfy these trends.
 - **Fig. 5** illustrates the concept ideas that the designers have produced.

Critically examine how La Cucina can take these concept ideas forward and meet its mission statement on **page 7** of the Resource Booklet.

Your answer must include reference to sustainable:

materials/components

• r	nanutacturing techniques.	
Refer	to information on pages 6 and 7 of the Resource Booklet.	[12]

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The vinyl manufacturer is considering how the chosen circular logo will fit on its existing vinyl lay

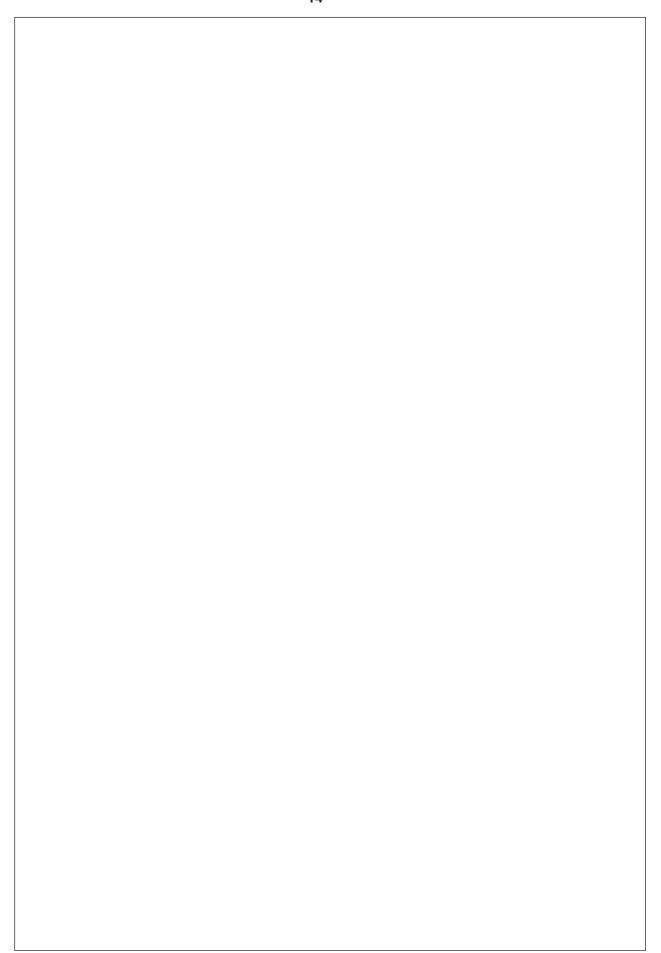
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Refer to i	nformation on pa	ige 7 of the I	Resource Bo	ooklet.			
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The research team at La Cucina has established the popularity of chil work as part of productive play acting. It has approached the designe present a version of the chef jacket that would be suitable for 3 to 8 years.	ers and production team to
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Your answer must address the technical specification shown on page	8 of the Resource Booklet.
Refer to information on page 8 of the Resource Booklet.	[16]

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