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GCE A LEVEL MARKING SCHEME

SUMMER 2019

A LEVEL (NEW) DESIGN AND TECHNOLOGY – UNIT 3 FASHION AND TEXTILES 1602U30-1

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INTRODUCTION

This marking scheme was used by WJEC for the 2019 examination. It was finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conference was held shortly after the paper was taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conference was to ensure that the marking scheme was interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conference, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about this marking scheme.

GCE A LEVEL DESIGN AND TECHNOLOGY

UNIT 3 - FASHION AND TEXTILES

SUMMER 2019 MARK SCHEME

Ques	tion 1				
			AO3	A04	Mark
(a)		s of zip fasteners available to the / a metal zip has been chosen for the ksack shown below.		~	3
		an understanding of the reasons for using to 3 marks based on:	a meta	l zip	
	Weight of zip comRucksack in use,	er is more robust than other types. parable to weight of material. component parts need to withstand wear a per are stronger and link together more se			
	Guidance to marker	S			
	Incorrect / no answer				0
	Brief description of a Metal zips are consid	<i>suitable reason for example:</i> ered stronger.			1
	More detailed reason Metal zips are strongo continued use.	<i>for example:</i> er and will withstand a lot more wear and te	ear in		2
	Metal zips are far mor withstand continued u	son with detail for example: re durable and much stronger than other ty use over a longer period of time. The weigh with weight of material.	•		3

_		AO3	AO4	Mark		
(b)	Coated canvas has been used for parts in the construction of the rucksack. Describe the specific properties of coated canvas that make it suitable for the rucksack.		~	2		
	Answers that indicate an understanding of the properties of coated canvas should be awarded up to 2 marks based on:					
	 The silicone (or plastic derivative PVC (polyvinylchloride)) canvas makes the fabric waterproof. It can be wiped clean. Canvas is a tight weave fabric that is strong and will withs tear. 	-				
	Guidance to markers					
	Incorrect/no answer			0		
	Brief description with some understanding of properties for example the coating on the canvas makes it waterproof.	mple:		1		
	A more detailed description with clear understanding of properti The silicone coating added to the canvas makes the fabric wate prevent water penetrating through to the inside.			2		
c)	The rucksack has adjustable shoulder straps. Using notes and sketches, name a suitable component that would allow the adjustment of the straps and explain how it works.		~	3		
	Answers that indicate an understanding of components used in adjustable straps should be awarded up to 3 marks based on:					
	Answers will vary depending on the named component part but the strap to be adjusted. The diagram will need to show that the interlinks and threads through the named component allowing a Sliders and D rings act in a similar way, a buckle will have to sh the strap (a buckle is not the standard component for use in this	e strap idjustme ow holes	nt. s in			
	Guidance to markers					
	Incorrect/no answer 0 mark			0		
	A suitable <u>named</u> components: slider; D rings; buckle. <i>Award up to two marks for the process:</i>			1		
	A simple diagram with limited annotation, concept could work.			1		
	A clearly labelled diagram, concept fully functions as intended.					
	Detailed notes with no diagram award 1 mark or detailed diagra annotation 1 mark.	m with r	0			
		Тс	otal	8		

Que	stion 2				
		AO3	AO4	Mark	
(a)	Describe the importance of aesthetics when designing the sports shirt.		~	2	
	Answers that indicate an understanding of aesthetics should be awarded up to 2 marks based on:				
	 Team colours and identity, one main colour with some cor Reflects a sporty, uncluttered image, simple styling. The texture of the different fabrics adds to the appeal. Simple clean lines attention to proportion of different section 				
	Guidance to markers				
	Incorrect / no answer			0	
	<i>Brief description, a simple statement for example:</i> In a sports shirt the team colours are the most important.			1	
	More detailed description with understanding for example: The shirt display a sleek professional image in the team colou the team ethos.	rs that ref	lect	2	

	AO3	AO4	Mar	
Explain how the choice of materials supports the function of the sports shirt.		~	6	
 Function of the shirt is to be worn and support the athlete by keeping him/her comfortable whilst training or in a match. Polyester microfibre is a very fine and lightweight material that will not impede performance. Polyester is fast drying and with the ability to wick away (remove) sweat will keep sportsperson more comfortable whilst active. Sweat produces body odour, microencapsulation will eliminate at least some odour – more pleasant environment. Mesh panel allows ventilation, comfort factor. Elastane in some of the materials will provide additional stretch and whilst active be far more comfortable for the wearer. It allows for a very neat fit on the sportsperson. 				
Guidance to markers				
	d on	0		
 Guidance to markers Incorrect/no answer Candidate has a simplistic knowledge. The use of terminology and technical language is basic. Brief description of material properties but does not expanded 	oly			
 Guidance to markers Incorrect/no answer Candidate has a simplistic knowledge. The use of terminology and technical language is basic. Brief description of material properties but does not expand how these impact on the shirts function. The candidate has a basic understanding of the issues associated with the question. The use of terminology and technical language is reasonat accurate. More detailed description of materials properties with some 	oly enction. ssues	1-2		

		AO3	AO4	Mark		
(a)	Explain how technology-push has led to the creation of the fabric keyboard shown below.		~	4		
	 Answers that indicate an understanding of technology-push sho awarded up to 4 marks based on: The development and emergence of new technologies lear products being 'pushed' into the market place. Micro or Nano technology opens up endless opportunities innovative new products such as the keyboard – reinvention products. Technology – linking of several devices wirelessly/ ease of Portable electronic devices that can be stored more easily and stored easily during transport – technology supports the Technology push - improving the functionality of products embedding technologies such as electronics and computing fabrics. Technology-push relating to textile material development. Consumer lifestyle – acceptance and thirst for new technology associated products. 	ids to ne for on of f use. r – rolls u his. by ng into	ıp			
	Guidance to markers					
	Incorrect / no answer			0		
	<i>Brief description, very little understanding for example:</i> Developments in technology allow new products to be made an were not possible before.	d sold th	at	1		
	Some detail with some understanding of technology-push for ex New technology offers opportunities for designers to develop in products that consumers didn't really know they needed or want technology drives this.	novative		2		
	A more detailed explanation with clear understanding of technol for example: New technology offers opportunities to develop innovative products consumers didn't really know they needed or wanted. Advances technology is pushing these products into the market place and products that were not previously possible – the keyboard for ex- reinventing it.	ucts that s in used or		3		
	Fully detailed explanation with clear understanding of technolog example: The emergence of new technology in both the electronic side ar materials developments allows products such as the keyboard to into the market place. In the absence of such technology produce are not possible, it's the size relating to Nano technology makes products possible and is pushing designers to embrace the tech improve products, thus redefining the keyboard.	nd in tex o be pus ot like the s these	tile shed ese	4		

Que	stion 3			
		AO3	AO4	Mark
(b)	Study the simple e-textile circuit shown below and describe the significance of the thread.		~	2
	 Answers that indicate an understanding of the thread's propertie awarded up to 2 marks. based on: The thread is conductive. The battery is the source on power. The energy travels along the thread to the LED. 	es should	d be	
	Guidance to markers			
	Incorrect/no answer			0
	<i>A basic response for example</i> : The thread is conductive.			1
	A fully explained description for example: As the thread is conductive it allows the energy from the battery light the LED.	∕ to trave	l to	2

Describe the most suitable scale of production for a limited number of children's winter jackets that include a GPS tracking system. <i>Fully justify your answers</i> . ✓ 6 Answers that indicate an understanding of batch production with electronic features included should be awarded up to 6 marks based: ✓ 6 • Batch is most suitable scale of production as it is usually associated with a smaller production run. • Factors for a smaller run include: testing the market place prior to mass production; niche market or gimmick; seasonal factors – no large scale demand. • Complex nature of product could make it unsuitable for other scales of production, in particular when including electronic devices into clothing – expertise and a niche market. • Seasonal clothing suits batch production – demand is lower. • May require specialist machinery and skilled workforce better suited to batch production – relates to GPS system. Manufacturing costs. • Age related seasonal children's clothing restricts sales potential making batch production preferable. Guidance to markers • Incorrect/no answer 0 1-2 • The use of terminology and technical language is basic. 1-2 • The use of terminology and technical language is reasonably accurate. 3-4 • More detailed description batch production and the impact of including a GPS system on scale of production. 5-6 •		A	03	AO4	Mark
features included should be awarded up to 6 marks based: • Batch is most suitable scale of production as it is usually associated with a smaller production run. • Factors for a smaller run include: testing the market place prior to mass production; niche market or gimmick; seasonal factors – no large scale demand. • Complex nature of product could make it unsuitable for other scales of production, in particular when including electronic devices into clothing – expertise and a niche market. • Seasonal clothing suits batch production – demand is lower. • May require specialist machinery and skilled workforce better suited to batch production – relates to GPS system. Manufacturing costs. • Age related seasonal children's clothing restricts sales potential making batch production preferable. Guidance to markers • Incorrect/no answer 0 • Candidate has a simplistic knowledge. 1-2 • The use of terminology and technical language is basic. 1-2 • The candidate has a basic understanding of the issues associated with the question. 3-4 • The candidate has a basic understanding of the issues associated with the question. 5-6 • More detailed description batch production and the impact of including a GPS system on scale of production. 5-6 • More detailed description batch production and the impact of including a GPS system on scale of production. 5-6 • More detailed description batch productio)	number of children's winter jackets that include a GPS		~	6
 expertise and a niche market. Seasonal clothing suits batch production – demand is lower. May require specialist machinery and skilled workforce better suited to batch production – relates to GPS system. Manufacturing costs. Age related seasonal children's clothing restricts sales potential making batch production preferable. Guidance to markers Incorrect/no answer Candidate has a simplistic knowledge. The use of terminology and technical language is basic. Brief description of batch production. The candidate has a basic understanding of the issues associated with the question. The use of terminology and technical language is reasonably accurate. More detailed description batch production and the impact of including a GPS system on scale of production. The use of terminology and technical language is reasonably accurate. More detailed description batch production and the impact of including a GPS system on scale of production. The candidate demonstrates a clear understanding of the issues associated with the question. Uses correct terminology and technical language. Detailed understanding of batch production and the impact of 		 features included should be awarded up to 6 marks based: Batch is most suitable scale of production as it is usually assoce a smaller production run. Factors for a smaller run include: testing the market place prior production; niche market or gimmick; seasonal factors – no large demand. Complex nature of product could make it unsuitable for other set. 	iateo to m ge so cales	d with nass cale s of	
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		 batch production preferable. Guidance to markers Incorrect/no answer Candidate has a simplistic knowledge. The use of terminology and technical language is basic. Brief description of batch production and the impact of includin a GPS system on scale of production. The candidate has a basic understanding of the issues associated with the question. The use of terminology and technical language is reasonably accurate. More detailed description batch production and the impact of 		01-2	

Que	stion 4			
		AO3	AO4	Mark
(a)	The motif below has been machine embroidered. Describe how CAD and CAM has been used to produce this motif.		~	3
	 Answers that indicate an understanding of CAD/CAM in embroidery design and manufacture should be awarded up to 3 marks based on: Using suitable software a design could be created/ developed/manipulated/changed to suit needs - CAD Using appropriate software the design could be digitised into a format suitable for manufacture/ developed for stitch techniques; colour changes and sequencing – CAD Materials for embroidery need to be inserted into frames prior to manufacture. Once the embroidery machines are set up including thread colour changes, positioning, the digitised design is transferred for manufacture (stitched onto material – CAM. 			
	Guidance to markers			
	Incorrect / no answer			0
	Design the motif on the computer, send it to the embroidery ma stitching.	achine fo	•	1
	A more detailed explanation with clear understanding of the pro- some reference to CAD/CAM for example: The design is digitised into the embroidery format using CAD e software. Once the embroidery machines receives the design in CAM.	mbroider	y	2
	Fully detailed explanation with clear understanding of the proce CAD/CAM in the right context for example: The design is created using suitable CAD software and digitise embroidery format. Once the embroidery machines receives the wirelessly or on a USB, and the machine is set up and in the co position, it will stitch it – CAM.	d into the e design	either	3

		AO3	AO4	Mark
(b)	Describe two benefits of using CAM to manufacture a number of motifs.		~	4
	Answers that indicate an understanding of the reasons for using CAM to manufacture the motifs should be awarded up to 4 marks (two marks for each detailed reason) based on:			
	 Consistent quality/ identical. Efficient repetition of the design. Cannot replicate designs to exact same standard by hand. Efficient in terms of time, not comparable with hand manufact Cost effective. Automatic thread changes. 	ture.		
	Guidance to markers			
	Incorrect / no answer			0
	<i>Brief description, limited understanding for example:</i> All motifs will be of an identical standard and quality.			1
	<i>Clear knowledge and understanding will detail for example:</i> All the stitched motifs will be exactly the same quality and stand possible by any other method of manufacture.	lard that	is not	2
	Do not credit unqualified assertions that refer to quicker, easier,	faster e	tc.	

Que	stion 4	AO3	AO4	Mark		
(c)	The motif is part of an innovative new textile product. The designer has applied for a 'Design Right'. Explain what is meant by a 'Design Right' and describe how it protects the designer's work.	AUS	<u>A04</u> ✓	5		
	Answers that indicate an understanding of Design Rights should up to 5 marks based on:	d be awa	arded			
	Design Rights relate to the physical appearance of a product or it for example both a striking new design for a jacket and a uniq detail on a plain jacket may be registered as a design or attract protection.	ue pock				
	It can apply to industrial as well as handcraft products.					
	This IP right is not concerned with how a product functions but f appearance and in particular the features of the product or the v					
	Contributory features include: lines; contours; colours; shape; te material.	exture;				
	UK design right prevents others from copying your design. It on 3D aspect of an item and does not protect the surface decoration product or any 2D pattern such as wall paper or carpet design.		s the			
	To qualify your design must be NEW, something not previously For example a polo shirt would be commonplace whereas a des from scratch such as a new shape of sleeve very different to oth previously designed by other designers, would not be common therefore a design right could be applied for.	sign crea	ated /es			
	Design right in the fashion industry can protect the structure, loc core products such as clothing, footwear, handbag and accesso also has a wider relevance, covering new product areas that a c expand into in future such as luggage or interior furnishings.	ory desig	ns. It			
	UK unregistered design right does not give a monopoly over all design in question but it gives the owner the right to prevent thir copying the design for commercial purposes.					

 Candidate has simplistic knowledge. The use of terminology and technical language is basic. Brief description of design rights in the fashion industry. The candidate has some understanding of the issues associated with the question. The use of terminology and technical language is reasonably accurate. More detailed description of design rights and their application in the fashion industry. The candidate demonstrates a clear understanding of the issues associated with the question. Uses correct terminology and technical language. 	AO3 AC		AO4	Mai
 Candidate has simplistic knowledge. The use of terminology and technical language is basic. Brief description of design rights in the fashion industry. The candidate has some understanding of the issues associated with the question. The use of terminology and technical language is reasonably accurate. More detailed description of design rights and their application in the fashion industry. The candidate demonstrates a clear understanding of the issues associated with the question. Uses correct terminology and technical language. 		ance to markers		
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associated with the question.Uses correct terminology and technical language.	age is reasonably 3-	vith the question. The use of terminology and technical language is reaso accurate. Nore detailed description of design rights and their appl	3-4	
application in the fashion industry.	juage. 5	nssociated with the question. Jses correct terminology and technical language. Detailed and very clear understanding of design rights a	5	

Que	stion 5				
		AO3	AO4	Mark	
(a)	A wool fibre is both hydrophilic and hydrophobic. Using notes and sketches explain how the structure of wool fibre allows for both of these properties.		~	5	
	Answers that indicate an understanding of the structure and cha a wool fibre should be awarded up to 5 marks based on:	aracteris	tics of		
	The diagram(s) needs to show a cross section of the fibre as it is the internal protein bundles that are most relevant.				
	 The scales on the wool fibre are critical to the function of abar move apart. The wool fibre is made from long chains of protein bundles - seen in cross section. The protein bundles swell as moisture is absorbed – labelled hydrophilic (they are not hollow) but regain shape as they dr The interior of the wool fibre is hygroscopic (attracts water). Exterior of wool fibre labelled as hydrophobic – repels water reference to natural oils on wool being water repellent. 	- interna d as y out.	l view		
	Incorrect / no answer			0	
	A basic diagram of a wool fibre possibly shows scales, very little knowledge.	e detail, l	limited	1	
	Some detail with some understanding, a simple diagram with m the annotation. Some important details missing.	ore deta	il in	2	
	A more detailed level of knowledge and understanding evident diagrams, cross section may be evident. Some aspects covered		⁻ two	3	
	A detailed level of knowledge and understanding evident in one annotated diagrams, cross section is evident and shows area w absorption occurs. Most aspects covered.		learly	4	
	Full and detailed knowledge and explanation related to absorbti detailed diagrams fully explained process. All important aspects			5	

Que	stion 5			
		AO3	AO4	Mark
(b)	When fibres are spun into yarn describe the effect the twist has on the finished yarn.		~	3
	 Answers that indicate an understanding of the effect of twist is production should be awarded up to 3 marks based on: Twists are put into yarns to make them stronger. The number of turns is a deciding factor for the end-use A lower number of turns gives a softer, weaker and more suitable for knitting. A higher number of turns give a much stronger yarn suitable 	of yarn. bulky yarı		
	Guidance to markers			
	Incorrect/no answer			0
	<i>Brief description, very little detail for example:</i> Twist makes yarns stronger.			1
	Some detail with some understanding related to the twist in y Whilst the twist generally makes yarns stronger, the number determines the end use of the yarn.		ample:	2
	Detailed level of understanding related to the twist in yarn for A low number of twists gives a weaker yarn suitable for knitting yarn more twists are needed for example a yarn suitable for w	ng, for a st	ronger	3
		То	tal	8

		AO3	AO4	Mark
(a)	Bamboo has been used to make the base layer top and leggings shown below. Explain why bamboo is a suitable choice for active wear clothing.		~	4
	 Answers that indicate an understanding of the main properties of should be awarded up to 4 marks based on: Bamboo has a soft and luxurious feel – feels good next to the Bamboo is antibacterial - bacteria does not live well in basso it doesn't get smelly even after many days. Bamboo has natural UV protection; fabric cuts out 97.5% of rays, so perfect wearing on outdoor activities. For allergy prone skin, bamboo fabric is perfect as it is kinde hypo-allergenic; non-irritating. It's anti-static and sits well new Bamboo fabric absorbs moisture wicking it away from your s faster than cotton), keeping you drier. For an active person the essential. Bamboo fabric is warm, but due to its hollow centre consistin holes it is absorbent which makes it appear breathable. Perfect temperatures ie thermo-control. 	e skin. mboo fa of harmfu r to the kt to you kin (3-4 his is ng of mic	ıbric, ul UV skin – ır skin. times cro-	
	Guidance to markers			
	Incorrect/no answer			0
	<i>Brief description, very little detail for example:</i> Bamboo is absorbent so will keep wearer more comfortable.			1
	Some understanding of the properties of bamboo and the benefit for example: Bamboo fibre has a hollow centre which will allow moisture to be			2
	 A more detailed understanding of the properties of bamboo with the user for example: Bamboo fibre has a hollow centre which will allow moisture to be also has a very luxurious feel and is nice to wear. 			3
	 Full and detailed knowledge and explanation of the properties of clear benefits to the user for example: The hollow construction of the bamboo fibre is absorbent which away moisture from your skin, keeping you drier and more comfithermo-control properties essential for an active person. 	helps to	wick	4

	AO3	AO4	Mark
Justify why bamboo is considered better for the environment than cotton.		~	4
 Answers that indicate an understanding of the sustainable factor associated with bamboo should be awarded up to 4 marks base. Bamboo is the fastest growing plant in the world, so yields r same plot; greater availability of raw fibre when compared to Bamboo yields the same volume as cotton but from 10% of Bamboo thrives naturally without using any pesticides, herb fertilizers; cotton can also grow organically but at a much re Pesticides and fertilisers are more readily and widely used on negative impact on environment. 100% bamboo fabric is 100% biodegradable issues surroun industrial processes of the fibres – bleach, chemical dyes. E fabrics and clothing can be manufactured and produced with chemical additives although eco-certification such as Oekonecessary to ensure that the manufacturing and finishing pr healthy. Bamboo only needs rain water to grow, very little, if any, additis ever required. Cotton grows in areas where water is often commodity. Bamboo grows on flat lands – heavily industrialised with diesel exhaust-spewing tractors to plant seeds and cultivate. Bamboo is a fast-growing grass and can grow up to a metre or erosion, and retains water in the watershed. 	ed on: nore from o cotton the land icides or duced yidon on cotton d the eamboo nout any Tex is ocesses ditional w a scarce the soil. e a day. oded soil.	area. eld. – are vater e l, so other	
Guidance to markers			
Incorrect/no answer			0
<i>Brief description, very little detail for example:</i> Bamboo grows naturally without using any pesticides or fertilize cotton production.	ers unlike	e most	1
Some understanding of the environmental benefits of bamboo f Bamboo grows naturally without using any pesticides or fertilize cotton production which relies on pesticides to increase yield.			2
A more detailed understanding of the environmental benefits of example: Bamboo grows naturally without using any pesticides or fertilize cotton production which relies on pesticides to increase yield. B yields far more raw fibre from the same plot size when compare	ers unlike amboo a	e most also	3
Full and detailed knowledge and explanation of the of the environment of bamboo for example: Bamboo grows naturally without using any pesticides or fertilized cotton production which relies on pesticides to sustain, yield. Ba	ers unlike amboo ca	e most	4
grow on slopes not suitable for other crops unlike cotton and it extensive root system that holds the soil together preventing er			

		AO3	AO4	Mark
(a)	The shaped part of the neckline has been finished so that no raw edges are visible. Using notes and sketches explain how you would construct and apply a facing to the edge of the neckline shown below. (<i>The neckline is in two parts with a CF seam – show one side</i> <i>only</i>)		~	4
	 Answers that indicate an understanding of constructing and appreshould be awarded up to 4 marks based on A facing is a shaped piece in the same material as the main one edge mirrors the outer edge of the neckline, the inner effacing curves gently around the shape; facing is approximated deep. A facing is usually strengthened with an interlining – fusible Lower edge of facing needs to be neatened. Right sides facing the outer edges are placed together and place. Seam allowance is usually trimmed back, corners and curve allowance snipped to lie flatter. Seam allowance cut in laye bulk. Stitching of the seam allowance down on the WS to help th flat. Turn the faced panel through so right sides show; press the neat finish. 	n dress v edge of ti tely 6 - 8 or sewr stitched es of sea rs to elin e facing	vhere he 3 cm n. in am ninate lie	
	Guidance to markers			
	Incorrect / no answer			0
	A basic diagram of the neckline shape, may indicate a facing ve limited knowledge.	ery little c	letail,	1
	Some detail with some understanding, a simple diagram with m the annotation. Some important details missing.	ore deta	il in	2
	A detailed level of knowledge and understanding evident in one diagrams, most aspects covered.	or two		3
	Full and detailed knowledge showing the construction and appli facing. Clear and detailed diagrams fully explaining the process aspects covered.			4

		AO3	AO4	Mark
(b)	Explain why the designer has chosen to add a lining to the special occasion dress.		~	4
	Answers that indicate an understanding of lining a dress should up to 4 marks based on:	be awai	rded	
	 Linings conceal all the inner seams and construction details product. Linings support the wear and tear/durability of a product. Adds to the comfort factor as some outer materials do not fer next to the skin; it's easier to put on and take off as linings to silkier and smoother. Gives a better finish to edges such as armholes and necklin stitches seen externally. The drape/fit of a garment can be improved with the inclusion it adds structure to the product. Linings can make a garment look more expensive/ adds a luter of the structure in the inclusion it adds as a structure in the inclusion it adds as a structure in the inclusion it adds as a garment look more expensive. 	el comfo end to be es - no v n of a lir	ortable visible ning as	
	thus increasing appeal. Guidance to markers			
	Incorrect/no answer			0
	<i>Brief description, very little detail for example:</i> A lining hides all the internal seams and looks better.			1
	Some understanding relating to the use of a lining for example: A lining hides all the inside seams which looks much better but the seam allowances from irritating the wearer.	also prev	vents	2
	A more detailed understanding of the use of a lining for example A lining hides all the inside seams which looks much better by n more luxurious but also prevents the seam allowances from irrit wearer; the lining helps with comfort.	naking it		3
	Full and detailed knowledge and explanation use of a lining for A lining hides all the inside seams which makes it look more lux expensive but also prevents the seam allowances from irritating helping with the comfort, fit and drape of the dress.	urious a	nd	4

		AO3	AO4	Mark
(c)	The skirt of the dress is circular. Describe a suitable method of finishing the hemline; include all appropriate tolerances and quality control considerations.		~	4
	Answers that indicate an understanding of an appropriate method the hemline should be awarded up to 4 marks based on:	od of fini	shing	
	 Crucially the hem would need to be very narrow for a super Crucially maximum 5mm hem otherwise QC issues arise wind pleats and tucks in the turned hem – impossible to avoid wind turning. Ideally a very narrow gage overlock would be used to prevent seal edges QC. Finished edge needs to be turned up as narrow as possible QC - A narrow hem will prevent tucks or pleats as it is stitch circle shape. Top stitch the hem to secure it. The hem could be double folded and stitched using a special attachment on the sewing machine – principles remain the seme. 	ith little f th a dee ent frayir e so it lie ned arou alist same.	olds, per ng and s flat. nd the	
	Guidance to markers			
	Incorrect/no answer			0
	An appropriate tolerance suitable for the method.			1
	An indication of QC for an appropriate method.			1
	Award up to two marks for a description of a suitable method:			
	<i>Brief description, very little detail for example:</i> Overlock the hem and turn it up			1
	<i>Clear understanding of a suitable method for example:</i> Using a narrow overlock, stitch and trim the edge to prevent fray hemline, then turn it up and stitch very close to the edge.	ying of th	ne	2
	NB: Up to <u>two marks</u> are awarded for the main description of ar method; <u>one mark</u> for an appropriate QC consideration and <u>one</u> appropriate tolerance included within body of answer.			
		То	tal	12

		AO3	A04	Mark		
a)	Describe the role of fashion forecasters in the commercial development of fashion products.		~	4		
	Answers that indicate an understanding of the role of fashion forecasters should be awarded up to 4 marks based on:					
	 Fashion forecasters have a unique ability to predict styles to year after year. They have extensive knowledge of the fash industry. Identification of potential future trends, could be from anywe styles, historical, travel, culture They also follow trends in areas such as art, food, interior of design, furniture, architecture, technology and pop culture. study political and economic factors that may include trend. They use research techniques and fashion industry knowled predictions. Forecasters work about two years in advance of styles appendight street. (This can be longer) Compilation of future trends boards/mood boards showing pattern, form, silhouette, textures, fabrics, trims, concepts. Top designers refer to these for inspiration/are influenced to forecasters for their future collections for the upcoming searens their collections will be on trend. Fashion forecasters might also present their findings to fast fashion buyers, apparel and textile design firms, advertising 	hion and here – st design, g They als s. edge to m bearing in colours, by fashio asons; thi	textile treet raphic so nake n the n s also nilers,			
	 magazine, and other media entities. Fashion forecasters may work directly with retail companie textile firms or designers. 	s, appare	el and			
	Guidance to markers					
	Incorrect / no answer			0		
	Brief description of fashion forecasters, little additional detail for They work in the fashion industry and predict future trends.	r exampl	e:	1		
	Some detail with some understanding of fashion forecasters, for They have extensive knowledge of the fashion industry, conduct identify and predict future trends.			2		
	A more detailed level of knowledge and understanding of the reforecasters for example: They have extensive knowledge of the fashion industry, conduction identify and predict future trends. They often work with fashion help them with their upcoming collections.	ct resear	ch to	3		
	Full and detailed understanding of the role of fashion forecaster. They have extensive knowledge of the fashion industry, conduct identify and predict future trends. They often work with fashion help them with their upcoming collections by showing trends bo include for example colours, pattern, style and texture.	ct resear designer	ch to s to	4		

		AO3	AO4	Mark
b)	Bespoke clothing carries a higher price tag than ready to wear clothing. Discuss this statement and justify the additional cost to the customer.		~	8
	Answers that show understanding and have fully discussed the of bespoke clothing and associated costs should be awarded up based on:			
	 Made for an individual client – personalised to their exact report fit and style Unique as only one is made – justifies higher price Personalised fit may require a number of individual fitting section to pays for this service Client can work with the designer on one to one basis – cose Bespoke clothing often has better quality fabrics and trims – Requires specialist, highly skilled machine operators who me carry out a range of specialist processes and techniques – a Product may include handwork such as beading – expensive something that is done easily on a production line May include intricate detailing on the product which may be consuming process Time to make whole product if one person is making it all, despeed up the process unlike mass production There are no economies of scale associated with bespoke resources. 	essions - t incurre - costs r nay need adds to re, not a time ifficult to	ed nore I to cost	
	Guidance to markers Incorrect/no answer			0
	Brief description with little detail in the response: brief knowledge clothing and associated cost implications. Basic level of underst		poke	1-2
	Basic description with some detail in the response: some knowledge and associated cost implications. Some evider knowledge and understanding.			3-4
	More detailed description, with clear evidence of knowledge and understanding in the response: knowledge of bespoke clothing a associated cost implications. Almost all important points justified detail.	and	e	5-6
	Full and detailed description, with clear and detailed evidence of and understanding in the response: clear knowledge of bespoke associated cost implications. All important points considered and detail.	e clothing	g and	7-8
		_	tal	1

		AO3	AO4	Mark
	aluate the role of the British Standards Institute (BSI) in the mmercial sector of the textile industry.	~		8
Car m	 mmercial sector of the textile industry. andidates should provide evidence of appraisal and/or make of show an understanding of the role of the BSI to be awards arks based on: The British Standards Institution (BSI) is a service organizal produces standards across a wide variety of industry secto textile industry. Its codes of practice and specifications cover and technical subjects ranging from business continuity mature quality requirements. BSI sets the safety and technical standards for a wide rang including those products made from flame-resistant materia law. BSI kitemark: when it is awarded and for what purpose. For example: Product standards in soft furnishings e.g. curr covers, sofa covers – companies must ensure that their pro- durable, can withstand a reasonable amount of wear and te reasonable amount of surface abrasion before pilling occur (Accept other factually correct standards offered to exemple BSI/Kitemark) Furnishing fabrics must be considered in terms of their ability 	judgeme ed up to 8 tion that rs includin er manag nagemer e of produls – it is t tains, duv ducts are ear, withs s. fy the wo	ng the ement it to ucts he ret e tand a <i>rk of</i>	5
•	 In any place where the public collect together furnishings m resistant materials on them – a flame resistant finish can be these. The Furniture and Furnishings (Fire safety) Regulations state and padding materials used to cover or make settees, cush and loose furnishings must be resistant to 'smouldering from ignition.' Standards ensure that materials live up to expectations for fastness. Numerous tests have been set up and are in place to ensure manufacturers abide by same rules and standards – consistindustry. 	ust have sprayed tes: all fa ions, pillo n cigarett example	flame onto brics bws te colour	

Incorrect/no answer	0
 Candidate has a simplistic knowledge. The use of terminology and technical language is basic. Brief description of the role of the BSI has in the furnishing sector Little understanding evident; basic. 	1-2
 Candidate has some basic understanding of the role the BSI has in the furnishing sector The use of terminology and technical language is variable. Some detail is evident; little evidence of appraisal or making judgements. 	3-4
 The candidate has clear understanding of the issues associated with the question. The use of terminology and technical language is mostly accurate. More detailed description of the role the BSI has in the furnishing sector, clear evidence of appraisal and/or making judgements. 	5-6
 The candidate demonstrates very clear understanding of the issues associated with the question. Uses correct terminology and technical language. Full and detailed description and understanding of the role the BSI has in the furnishing sector, very clear and highly relevant evidence of appraisal and/or making judgements. 	7-8

Question 10			
	AO3	AO4	Mark
Globalisation facilitates the constant demand for inexpensive fashionable clothing which reflects the latest fashion trends. Analyse the impact this practice has on both the environment and the consumer.	\checkmark		12
 Candidates should provide evidence of either <u>deconstructing inf</u><u>finding connections</u> and/or <u>logical chains of reasoning</u> and <u>apply</u> appropriately to be awarded up to 12 marks based on: Products designed in one country and manufactured in other world facilitated by travel, transportation, ease of communica and internet. Fabrics and components sourced where they are cheapest a transported to point of manufacture – carbon footprint. Availability of a lower paid workforce in many parts of the wo Lower overheads in manufacturing in many emerging econor lower prices at point of sales. Economies of scale in purchasing fabrics and components in keep prices down. Carbon footprint of goods being transported increases impace environment. Materials, components, part finished/finished g constantly on the move in order to achieve optimum price for product. Energy consumption in factories to satisfy demand; not nece renewable energy. Chemicals used in manufacturing has a negative impact on e gases (airborn), chemical dyes in water systems affect eco s to global warming. Reduction or loss in manufacturing jobs nearer to point of sa and textile manufacturing industry almost non-existent in UK 20 years ago; driven by demand for cheaper products. Customers satisfied they have affordable fashion in latest tree expense of employment for many. Environmental damage will affect everyone in the long term i consumers. Fast fashion - drain on finite resources, will impact on the cor later date when demand outstrips supply. 	<u>v</u> it r parts o ation sys and orld. mies en bulk he oods r finished essarily u environn system. v les. Fas compar ends but	f the stems ables ables ables alp d using nent – Adds hion red to at the	

ncorrect / no answer	0
 Limited understanding and application of knowledge and understanding of the impact that globalisation has on both the environment and the consumer. Limited understanding and application of knowledge and understanding of designing and making principles to fashion design /manufacturing industry. There is limited evidence of relevant examples. Quality of Written Communication is limited, presenting material with limited coherence, many errors of grammar, punctuation and spelling. 	1-3
 Generally good understanding and application of knowledge and understanding the impact that globalisation has on both the environment and the consumer. Generally good understanding and application of knowledge and understanding of designing and making principles to the fashion design/manufacturing. There is a line of reasoning which is generally coherent and relevant. Quality of Written Communication is basic, presenting occasional appropriate material with some coherence, some errors of grammar, punctuation and spelling. Very good understanding and application of knowledge and understanding the impact that globalisation has on both the environment and the consumer. Very good understanding and application of knowledge and understanding of fashion designing and making principles to fashion design/manufacturing. There is a sustained line of reasoning which is generally coherent, relevant and substantiated. Quality of Written Communication is good, presenting mainly appropriate material in a coherent manner, few errors of grammar, punctuation and spelling. 	4-6
 Excellent understanding and application of knowledge and understanding the impact that globalisation has on both the environment and the consumer. Excellent understanding and application of knowledge and understanding of designing and making principles to fashion design/ manufacturing. There is a sustained line of reasoning which is coherent, relevant and substantiated. Quality of Written Communication is excellent, presenting wholly appropriate material in a coherent and logical manner, hardly any errors of grammar, punctuation and spelling. 	10- 12

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