

Mark Scheme (Results)

Summer 2007

GCSE

GCSE Design and Technology:
Textiles Technology Foundation Tier
(1971/3971)

Marking Guidance

Give / State / Name

Normally a one or two word answer, at the very most a short sentence.

Describe

Normally, one or two sentences which form a description, making reference to more than one point. All points must be linked for a complete answer.

Explain

Normally, one or two sentences which form an explanation. This requires a clear or detailed account of something and includes a relevant justification, reason or example.

Evaluate

Normally one or two sentences where the quality, suitability or value of something is judged. This can include both positive and negative points, with each point normally requiring a relevant justification.

The mark scheme contains a range of possible answers for all questions. For some questions it is possible to provide a finite number of acceptable answers. However, in some instances it is not possible to provide every conceivable answer. In these instances objective guidance is provided.

For all answers candidates are not expected to give the exact wording contained in this mark scheme. However, to gain credit their answer must demonstrate the same meaning as detailed in the mark scheme.

It is the examiner's responsibility to apply their professional judgement in determining if what the candidate has written has the same meaning as the answer detailed in the mark scheme. For all answers the '*Key words*' have been written in bold text.

For describe and explain questions, candidates may give a different combination of the marking points listed in the mark scheme. In such instances candidates can be rewarded for the marking points provided that they are suitably linked. However, candidates cannot be rewarded for the same point repeated in two different combinations.

Examiners must mark in red pen using ticks and crosses in the body of the script.

Design & Technology: Textiles Technology (1971/2F)
Full Course Foundation Tier Mark Scheme

Question Number	Question	Part Mark	Total Mark
1971_2F_Q01a	<p>The drawing shows some components and some items of equipment.</p> <p>Complete the table by:</p> <p>(i) naming each component or item of equipment</p> <p>(ii) describing its use</p>		
	<p>Answer</p> <p>Name and use of the following:</p> <p>Name: tape measure / measuring tape / tape for measuring Use: measuring</p> <p>Name: button Use: fastening / decoration</p> <p>Name: pin / pins/needles / pin/needle cushion/holder/stand / pins in a cushion Use: holding fabric together/ marking where items should go / holding pins / sticking pins in / safety</p> <p>Name: knitting needles / knitting pins Use: knitting</p> <p>Name: overlocker Use: constructing a seam / finishing/neatening / stitching and trimming seams / stop fraying</p> <p><i>Accept phonetic spellings</i></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	(10)

Question Number	Question		
1971_2F_Q01b	Velcro is an effective fastening. Give <u>two</u> reasons why Velcro could be used as a fastening on a child's shoe.		
	Answer	Part Mark	Total Mark
	Two reasons given from the following: <ul style="list-style-type: none"> • allows independence / simple • quick to do/undo • easy to use/do up/undo • easier/safer than shoelaces • does not come undone easily • easily replaced by shoe repairer • secure/reliable 	2x1	(2)
Question Number	Question		
1971_2F_Q01c	Name <u>three</u> standard components, other than Velcro, that could be used to fasten a coat.		
	Answer	Part Mark	Total Mark
	Three components named from the following: <ul style="list-style-type: none"> • zip • button (<i>do not accept 'buttonhole' by itself</i>) • press stud/fastener / popper • toggle • frog • ties / ribbon / lace / cord / sash • belt • hook and eye / bar 	3x1	(3)

Question Number	Question		
1971_2F_Q01di	Clothing can be manufactured as single items or in large quantities. Name <u>two</u> methods of production used to produce items in quantity.		
	Answer	Part Mark	Total Mark
	Two methods named from the following: <ul style="list-style-type: none"> • batch production • high volume/mass production • straight-line system • continuous flow production 	2x1	(2)
Question Number	Question		
1971_2F_Q01dii	Explain <u>one</u> reason why one-off single items are more expensive to produce.		
	Answer	Part Mark	Total Mark
	One reason explained from the following: <ul style="list-style-type: none"> • require skilled crafts-persons to produce and they demand higher wages • greater care/accuracy/attention required to fit to individual measurements • only one person completes the job / each process is done only once so takes longer/more time to produce • often has individual/hand detail so takes longer to produce • more expensive fabrics/materials may be used which require care in cutting/construction 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
1971_2F_Q01e	ICT is used in the production of textile items. Give <u>three</u> advantages to a manufacturer of using ICT in the production of textile items.		
	Answer Three advantages given from the following: <ul style="list-style-type: none"> • stock control managed efficiently • fast response time to orders • easy/fast communication • faster/quicker manufacture • accurate/precise/consistent items/quality/results • once set-up it's cheaper/costs are reduced (<i>do not accept 'cheaper' by itself</i>) • allows batch/mass/high volume/repeatable production • creation of 2D/3D virtual products/models on screen • gives/shows a range of colourways/patterns/decorations/designs • fast processing / easy storage/retrieval of data • efficient lay planning • efficient pattern making / grading • fewer workers needed 	3x1	(3)
		(Total 22 marks)	

Question Number	Question	Part Mark	Total Mark
1971_2F_Q02a	<p>Fibres can be either manufactured or come from natural sources.</p> <p>Name <u>two</u> natural fibres.</p>		
	<p>Answer</p> <p>Two named from the following:</p> <ul style="list-style-type: none"> • wool • silk • cotton • linen • mohair • cashmere • alpaca • jute 	2x1	(2)
1971_2F_Q02bi	<p>Fibres can be made into non-woven fabrics by felting or bonding.</p> <p>Give <u>two</u> properties of non-woven fabrics.</p>		
	<p>Answer</p> <p>Two properties given from the following:</p> <ul style="list-style-type: none"> • do not fray • do/do not drape well • stiff / soft • distorted by stretching / will not stretch • good insulators / warm • no grain to follow / no fabric waste 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
1971_2F_Q02bii	<p>The table contains statements about either felted or bonded fabrics.</p> <p>Choose either felted or bonded for each statement. Mark with a cross.</p>		
	<p>Answer</p> <p>Felted or Bonded named:</p> <ul style="list-style-type: none"> • bonded • felted • felted • bonded <p><i>(only answers)</i></p>	4x1	(4)
1971_2F_Q02c	<p>A knitted pull-on woollen hat has elasticity.</p> <p>Explain <u>one</u> reason why elasticity is important for a pull-on woollen hat.</p>		
	<p>Answer</p> <p>One reason for elasticity explained from the following:</p> <ul style="list-style-type: none"> • keeps/recovers its shape because it is stretched over the head • easy to put on because it stretches over the head • comfortable because it fits snugly / stays in place on head • stretches over the head so one size fits all 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
1971_2F_Q02d	<p>Pull-on woollen hats are often worn in winter.</p> <p>Name <u>one</u> purpose of a pull-on woollen hat.</p>		
	<p>Answer</p> <p>One purpose named from the following:</p> <ul style="list-style-type: none"> • insulate / keep warm / keeps heat in / prevents heat escaping • keep dry • stays in place/doesn't come off easily when windy • give group identity / fashion <p><i>(Do not accept 'wear/worn in winter')</i></p>	1	(1)
1971_2F_Q02ei	<p>Internationally recognised care symbols are found on labels stitched to the inside of garments.</p> <p>Give <u>two</u> reasons why it is important to give washing instructions to the consumer.</p>		
	<p>Answer</p> <p>Two reasons given from the following:</p> <ul style="list-style-type: none"> • user knows how to care for it • maintain its appearance/function/quality / doesn't shrink / get damaged • helps consumer decide whether to buy 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
1971_2F_Q02eii	State <u>one</u> reason why the care symbols are required to be internationally recognised.		
	Answer		
	One reason stated from the following:		
	<ul style="list-style-type: none"> • easy to recognise correct method of cleaning • can be used by anyone in the world / no language barriers 	1	(1)
Question Number	Question	Part Mark	Total Mark
1971_2F_Q02f	Modern smart textiles are being developed that have special functional properties, such as warning of sunburn. Explain <u>one</u> reason why smart textiles have benefits for the consumer.		
	Answer		
	One reason explained from the following:		
	<ul style="list-style-type: none"> • wide choice of fabrics/garments therefore gives increased safety/protection / technological uses • reacts to environment therefore consumers are warned of risks <i>(Do not accept 'warn of sunburn')</i>	2x1	(2)

Question Number	Question		
1971_2F_Q02g	The C E label shown is often seen on children's toys. Explain <u>one</u> advantage to the consumer of displaying this symbol on children's toys.		
	Answer	Part Mark	Total Mark
	One advantage explained from the following:		
	<ul style="list-style-type: none"> • shows that their products have been tested to European safety standards / are safe to use / will not harm children • easily recognisable symbols and so can be bought by consumers with confidence 	2x1	(2)
Question Number	Question		
1971_2F_Q02h	Branded products usually have a special name, logo or image. Give <u>two</u> reasons why manufacturers produce branded products.		
	Answer	Part Mark	Total Mark
	Two reasons given from the following:		
	<ul style="list-style-type: none"> • attract higher prices • increased sales • customer loyalty • popular • projects image / advertising • encourage new trends/fashion • original product range extended/promotion • consumer identification with products • associated with higher quality 	2x1	(2)

Question Number	Question		
1971_2F_Q02i	<p>The waste from the production of textile items has an impact on the environment.</p> <p>Describe <u>one</u> step a manufacturer could take to reduce waste.</p>		
	<p>Answer</p> <p>One step described from the following:</p> <ul style="list-style-type: none"> • review the amount of packaging required and reduce where possible • review the packaging materials and change to biodegradable / recyclable / recycled • fabric remnants left over from production can be recycled • reduce the amount of synthetic fibres which are not biodegradable / made from non-renewable resources/create greenhouse gas • waste water from dyeing and finishing is reused or treated • turn fabrics back into fibres to be re-used again • encourage the development of new fabrics / processes that are environmentally friendly 	<p>Part Mark</p> <p>2x1</p>	<p>Total Mark</p> <p>(2)</p>
(Total 22 Marks)			

eg Any creative design idea / suitable theme / use of bright colours/bold designs / effective disguise eg Superhero / cartoon character / fairytale character / animal / uniform

Easy to put on and take off

- Evidence of easy to put on
eg low neck, stretch fabric etc 1
- Evidence of easy to take off
eg elasticated waist, open down the length, use of simple fastenings 1

Use two types of decoration

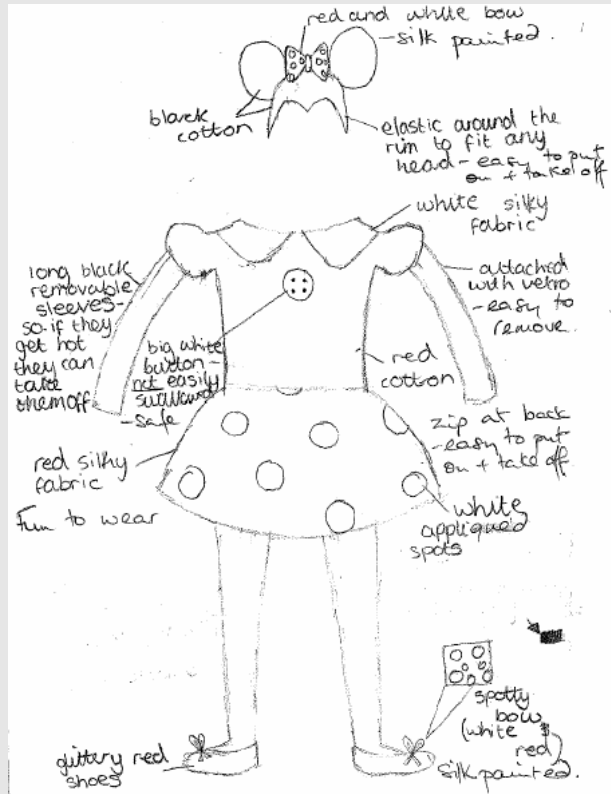
- Evidence of two different types of decoration
eg appliqué, embroidery, sequins, jewels, beads fur trim, paint, buttons, different coloured fabrics, ric rac, braid, frills etc 2x1

Be made using materials and processes suitable for one-off production

- Evidence that the material is suitable for one off production
eg, fabrics appropriate to the design eg special fabrics, paper, foil, plastics, fastenings, design 1
- Evidence that the process is suitable for one off production
eg shape, features or decoration which make it more suitable for one-off 1

(8)

Possible graphical solution



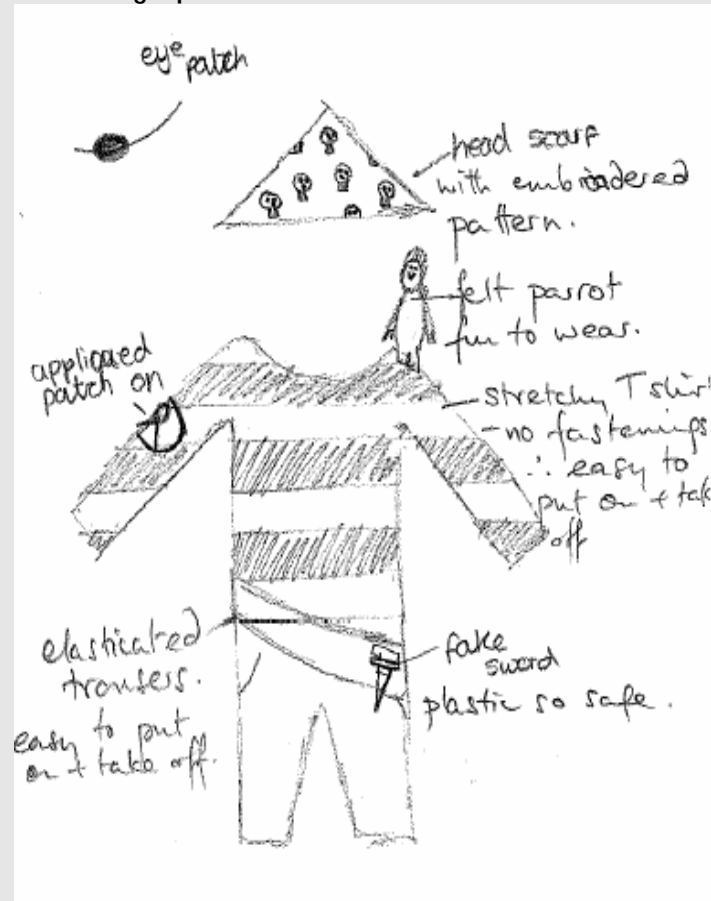
Design Idea 2

To score a mark for Design Idea 2, each specification point must be resolved again in the second design idea but the second design idea **must be technically/conceptually different in design and construction** from the first and not a simple variation on a theme to score the mark.

Use exactly the same criteria as design idea 1 to mark design idea 2.

A different indication of it being safe	1	
A different indication of it being fun for children	1	
A different method of easy to put on	1	
A different method of easy to take off	1	
Two different methods of decoration	2x1	
A different material for making as a one off	1	
A different process for making as a one off	1	(8)

Possible graphical solution



Question Number	Question		
1971_2F_Q03b	<p>Three of the original specification points are repeated below.</p> <p>Evaluate how <u>one</u> of your design ideas succeeds or fails to meet each of these specification points.</p> <p>(i) The fancy dress outfit must be safe yet fun for children to wear</p> <p>(ii) The fancy dress outfit must be easy to put on and take off</p> <p>(iii) The fancy dress outfit must be made using fabrics and processes suitable for one-off production</p>		
	<p>Answer</p> <p>Each point clearly evaluated.</p> <p>If a candidate has indicated design idea 1 and then evaluates design idea 2 for all or part of (i), (ii) & (iii) then the idea in greater evidence should be marked.</p> <p>The evaluation of the design must contain reference to either positive or negative aspects not just simply a description of the design.</p> <p>Award 1 mark for a correct evaluation/justification relating to each design feature and how it succeeds or fails.</p> <p>Repetition of original spec scores 0.</p> <p>Marks may be awarded for two justifications of one specification point.</p> <p>(i) Evaluation of: Safe yet fun for children to wear Comments (positive or negative)on:</p> <ul style="list-style-type: none"> • fabric safety eg non flammable finishes, use of reflective fabric. Design & construction is safe eg no loose pieces, not too long at hem or sleeves to trip, etc • fun to wear e.g. decoration, bright colour, imaginative design idea 	<p>Part Mark</p> <p>2x1</p>	<p>Total Mark</p> <p>(2)</p>

(ii)	Evaluation of: Easy to put on and take off Comments (positive or negative)on: <ul style="list-style-type: none"> • type of fastenings which are accessible and easy to use • design ideas that allow the garment to be taken on and off easily eg elasticated waist, long zip, stretch fabric, low neck etc 	2x1	(2)
(iii)	Evaluation of: Be made using fabrics and processes suitable for one-off production Comments (positive or negative)on: <ul style="list-style-type: none"> • shape, features, fastenings, fabrics or decoration which make it more suitable for one-off rather than batch or mass production 	2x1	(2)

(Total 22 Marks)

Question Number	Question	Part Mark	Total Mark
1971_2F_Q04a	<p>The drawing shows details of a dress and T-shirt to fit a 12 to 18 month-old child. The dress and T-shirt is produced for sale in supermarkets.</p> <p>Two specification points for the dress and T-shirt are that they must:</p> <ul style="list-style-type: none"> • be comfortable to wear • provide easy access for nappy changing or toileting <p>Under each of the following headings, give <u>one</u> more point that should be included in the specification for the dress and T-shirt.</p>		
	<p>Answer</p> <p>Three each of the following: Specification points Reasons <i>(Do not accept repetition of the specification points given)</i> <i>(Some flexibility should be given as some points may cross over description but must be only one relevant point for each heading)</i></p>	<p>3x1 3x1</p>	(6)

Market

Point: appealing to parents / target market

Reason: item bought by parents so needs to appeal to their taste / suitable for age group

Point classic design

Reason: reduced obsolescence so can be handed down/recycled

Point: loose fitting / (t shirt) stretches

Reason: comfortable to wear / easy to move in /easy to put on

Point: ease/convenience of purchase

Reason: available to purchase in supermarket with other shopping

Point: reasonable price

Reason: child will grow out of it quickly / parents' restricted budget

Environment

Point: fabrics mostly natural

Reason: natural fabrics can be recycled/are biodegradable

Point: washed easily

Reason: machine washable at 40 degrees so saves energy resources

Point: won't wear out quickly

Reason: can be passed down to other family members

Point: dyed with bio-degradable dyes

Reason: do not pollute

Quality

Point: well made eg stitching/embroidery/pockets/straps/fastenings secure/accurate / edges finished accurately/appropriately

Reason: item worn by children so must be firmly stitched / components attached securely

Point: durable/strong fabrics

Reason: fabric will get constant use so must withstand wear and tear

Point: components/buttons good quality

Reason: good quality buttons so do not scratch hurt/injure wearer

Question Number	Question	Part Mark	Total Mark
1971_2F_Q04bi	<p>The T-shirt is made from 9% cotton jersey and 4% elastane.</p> <p>One reason why the T-shirt is made from cotton jersey with elastane is that it can be assembled using an overlocker.</p> <p>Give <u>two</u> other reasons why cotton jersey with elastane is a suitable material for the T-shirt.</p>		
	<p>Answer</p> <p>Two reasons from:</p> <ul style="list-style-type: none">• stretches/gives• fits body shape• regains/holds shape• easy to put on/take off• room to move / ease of movement• comfortable/soft to wear• easily washed• crease resistant <p><i>(Do not accept use of 'overlocker')</i></p>	2x1	(2)

Question Number	Question	Part Mark	Total Mark
1971_2F_Q04bii	Give <u>two</u> reasons why overlocking is a suitable process to manufacture the T-shirt.		
	<p>Answer</p> <p>Two reasons from the following:</p> <ul style="list-style-type: none"> • seam gives with the fabric • seams stitched, neatened and trimmed in one go • professional/quality finish • fast/efficient/easy process • seams are strong/durable/flat/don't fray/unlikely to split/come undone 	2x1	(2)
1971_2F_Q04c	<p>The dress is made from cotton denim fabric.</p> <p>Give <u>two</u> properties of cotton denim that make it suitable for the dress.</p> <p>For each property give <u>one</u> reason why it makes cotton denim suitable.</p>		
	<p>Answer</p> <p>Two properties with reasons from the following:</p> <p>Property: durable/hardwearing/strong/resist abrasion Reason: children active/crawl/play so need to withstand constant strain/wear and tear</p> <p>Property: easily washable / by machine Reason: can be washed at high/low temps so stains removed / constant washing required due to children dirtying clothes frequently</p> <p>Property: absorbent Reason: will absorb spills/moisture</p>	2x1 2x1	(4)

Question Number	Question		
1971_2F_Q04d	The buttons are silver coloured. Explain <u>one</u> reason why the buttons are silver coloured.		
	Answer	Part Mark	Total Mark
	One reason explained from the following:		
	<ul style="list-style-type: none"> • highlights the buttons therefore a decoration/fashion feature • contrast with fabric so making the design appealing/stand out 	2x1	(2)
Question Number	Question		
1971_2F_Q04e	The embroidery on the dress is created using a CNC embroidery machine. Explain <u>one</u> reason why a CNC embroidery machine is used for creating the embroidery.		
	Answer	Part Mark	Total Mark
	One reason explained from the following:		
	<ul style="list-style-type: none"> • programmed to automatically sew the design so quick/easy/cheap to produce • produced in large quantities to a consistent/accurate standard • patterns stored in memory so can be used again • wide range of decorative stitches / adjustable colour/size so garments can be different/individual/personalised • professional finish so garments high quality 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
1971_2F_Q04f	<p>Two purposes of the dress and T-shirt are that they must:</p> <ul style="list-style-type: none"> • be comfortable to wear • provide easy access for nappy changing or toileting <p>Explain, under the following headings, how the dress and T-shirt achieve these purposes.</p>		
	<p>Answer</p> <p>One example explained of how purpose is achieved:</p> <p>(i) Be comfortable to wear</p> <ul style="list-style-type: none"> • T shirt fabric is stretchy / dress is loose fitting so easy to move in • knitted/cotton/elastane t shirt fabric is soft • good length for ease of crawling/walking <p>(ii) Provide easy access for nappy changing or toileting</p> <ul style="list-style-type: none"> • loose fitting/A-line/pleat dress so easy to lift up • straps/buttons can be easily undone 	<p>2x1</p> <p>2x1</p>	<p>(2)</p> <p>(2)</p>
			(Total 22 marks)
TOTAL FOR PAPER 88 MARKS			

Design & Technology: Textiles Technology (3971/2F)
Short Course Foundation Tier Mark Scheme

Question Number	Question		
3971_2F_Q01a	<p>The drawing some components and some items of equipment.</p> <p>Complete the table by:</p> <p>(iii) naming each component or item of equipment</p> <p>(iv) describing its use</p>		
	<p>Answer</p> <p>Name and use of the following:</p> <p>Name: tape measure / measuring tape / tape for measuring Use: measuring</p> <p>Name: button Use: fastening / decoration</p> <p>Name: pin / pins/needles / pin/needle cushion/holder/stand / pins in a cushion Use: holding fabric together/ marking where items should go / holding pins / sticking pins in / safety</p> <p><i>Accept phonetic spellings</i></p>	<p>Part Mark</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>Total Mark</p> <p>(6)</p>

Question Number	Question		
3971_2F_Q01b	<p>Velcro is an effective fastening.</p> <p>Give <u>two</u> reasons why Velcro could be used as a fastening on a child's shoe.</p>		
	<p>Answer</p> <p>Two reasons given from the following:</p> <ul style="list-style-type: none"> • allows independence / simple • quick to do/undo • easy to use/do up/undo • easier/safer than shoelaces • does not come undone easily • easily replaced by shoe repairer • secure/reliable 	<p>Part Mark</p> <p>2x1</p>	<p>Total Mark</p> <p>(2)</p>

Question Number	Question		
3971_2F_Q01c	Name <u>three</u> standard components, other than Velcro, that could be used to fasten a coat.		
	Answer	Part Mark	Total Mark
	<p>Three components named from the following:</p> <ul style="list-style-type: none"> • zip • button (<i>do not accept 'buttonhole' by itself</i>) • press stud/fastener / popper • toggle • frog • ties / ribbon / lace / cord / sash • belt • hook and eye / bar 	3x1	(3)
			(Total 11 marks)

Question Number	Question	Part Mark	Total Mark
3971_2F_Q02a	<p>Fibres can be either manufactured or come from natural sources.</p> <p>Name <u>two</u> natural fibres.</p>		
	<p>Answer</p> <p>Two named from the following:</p> <ul style="list-style-type: none"> • wool • silk • cotton • linen • mohair • cashmere • alpaca • jute 	2x1	(2)
3971_2F_Q02bi	<p>Fibres can be made into non-woven fabrics by felting or bonding.</p> <p>Give <u>two</u> properties of non-woven fabrics.</p>		
	<p>Answer</p> <p>Two properties given from the following:</p> <ul style="list-style-type: none"> • do not fray • do/do not drape well • stiff / soft • distorted by stretching / will not stretch • good insulators / warm • no grain to follow / no fabric waste 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
3971_2F_Q02bii	<p>The table contains statements about either felted or bonded fabrics.</p> <p>Choose either felted or bonded for each statement. Mark with a cross.</p>		
	<p>Answer</p> <p>Felted or Bonded named:</p> <ul style="list-style-type: none"> • bonded • felted • felted • bonded <p><i>(only answers)</i></p>	4x1	(4)
3971_2F_Q02c	<p>A knitted pull-on woollen hat has elasticity.</p> <p>Explain <u>one</u> reason why elasticity is important for a pull-on woollen hat.</p>		
	<p>Answer</p> <p>One reason for elasticity explained from the following:</p> <ul style="list-style-type: none"> • keeps/recovers its shape because it is stretched over the head • easy to put on because it stretches over the head • comfortable because it fits snugly / stays in place on head • stretches over the head so one size fits all 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
3971_2F_Q02d	<p>Pull-on woollen hats are often worn in winter.</p> <p>Name <u>one</u> purpose of a pull-on woollen hat.</p>		
	<p>Answer</p> <p>One purpose named from the following:</p> <ul style="list-style-type: none"> • insulate / keep warm / keeps heat in / prevents heat escaping • keep dry • stays in place/doesn't come off easily when windy • give group identity / fashion <p><i>(Do not accept 'wear/worn in winter')</i></p>	1	(1)
			(Total 11 marks)

Question Number	Question		
3971_2F_Q04a	<p>The drawing shows details of a dress and T-shirt to fit a 12 to 18 month-old child. The dress and T-shirt is produced for sale in supermarkets.</p> <p>Two specification points for the dress and T-shirt are that they must:</p> <ul style="list-style-type: none"> • be comfortable to wear • provide easy access for nappy changing or toileting <p>Under each of the following headings, give <u>one</u> more point that should be included in the specification for the dress and T-shirt.</p>		
	<p>Answer</p> <p>Three each of the following: Specification points Reasons <i>(Do not accept repetition of the specification points given)</i> <i>(Some flexibility should be given as some points may cross over description but must be only one relevant point for each heading)</i></p> <p><u>Market</u> Point: appealing to parents / target market Reason: item bought by parents so needs to appeal to their taste / suitable for age group</p> <p>Point classic design Reason: reduced obsolescence so can be handed down/recycled</p> <p>Point: loose fitting / (t shirt) stretches Reason: comfortable to wear / easy to move in /easy to put on</p>	<p>Part Mark</p> <p>3x1 3x1</p>	<p>Total Mark</p> <p>(6)</p>

Point: ease/convenience of purchase
Reason: available to purchase in supermarket with other shopping

Point: reasonable price
Reason: child will grow out of it quickly / parents' restricted budget

Environment

Point: fabrics mostly natural
Reason: natural fabrics can be recycled/are biodegradable

Point: washed easily
Reason: machine washable at 40 degrees so saves energy resources

Point: won't wear out quickly
Reason: can be passed down to other family members

Point: dyed with bio-degradable dyes
Reason: do not pollute

Quality

Point: well made eg stitching/embroidery/pockets/straps/fastenings secure/accurate / edges finished accurately/appropriately
Reason: item worn by children so must be firmly stitched/components attached securely

Point: durable/strong fabrics
Reason: fabric will get constant use so must withstand wear and tear

Point: components/buttons good quality
Reason: good quality buttons so do not scratch hurt/injure wearer

Question Number	Question	Part Mark	Total Mark
3971_2F_Q04bi	<p>The T-shirt is made from 9% cotton jersey and 4% elastane.</p> <p>One reason why the T-shirt is made from cotton jersey with elastane is that it can be assembled using an overlocker.</p> <p>Give <u>two</u> other reasons why cotton jersey with elastane is a suitable material for the T-shirt.</p>		
	<p>Answer</p> <p>Two reasons from:</p> <ul style="list-style-type: none"> • stretches/gives • fits body shape • regains/holds shape • easy to put on/take off • room to move / ease of movement • comfortable/soft to wear • easily washed • crease resistant <p><i>(Do not accept use of 'overlocker')</i></p>	2x1	(2)

Question Number	Question	Part Mark	Total Mark
3971_2F_Q04bii	Give <u>two</u> reasons why overlocking is a suitable process to manufacture the T-shirt.		
	<p>Answer</p> <p>Two reasons from the following:</p> <ul style="list-style-type: none"> • seam gives with the fabric • seams stitched, neatened and trimmed in one go • professional/quality finish • fast/efficient/easy process • seams are strong/durable/flat/don't fray/unlikely to split/come undone 	2x1	(2)
3971_2F_Q04c	<p>The dress is made from cotton denim fabric.</p> <p>Give <u>two</u> properties of cotton denim that make it suitable for the dress. For each property give <u>one</u> reason why it makes cotton denim suitable.</p>		
	<p>Answer</p> <p>Two properties with reasons from the following:</p> <p>Property: durable/hardwearing/strong/resist abrasion Reason: children active/crawl/play so need to withstand constant strain/wear and tear</p> <p>Property: easily washable / by machine Reason: can be washed at high/low temps so stains removed / constant washing required due to children dirtying clothes frequently</p> <p>Property: absorbent Reason: will absorb spills/moisture</p>	2x1 2x1	(4)

Question Number	Question		
3971_2F_Q04d	The buttons are silver coloured.		
	Explain <u>one</u> reason why the buttons are silver coloured.		
	Answer	Part Mark	Total Mark
	One reason explained from the following:		
	<ul style="list-style-type: none"> • highlights the buttons therefore a decoration/fashion feature • contrast with fabric so making the design appealing/stand out 	2x1	(2)
Question Number	Question		
3971_2F_Q04e	The embroidery on the dress is created using a CNC embroidery machine.		
	Explain <u>one</u> reason why a CNC embroidery machine is used for creating the embroidery.		
	Answer	Part Mark	Total Mark
	One reason explained from the following:		
	<ul style="list-style-type: none"> • programmed to automatically sew the design so quick/easy/cheap to produce • produced in large quantities to a consistent/accurate standard • patterns stored in memory so can be used again • wide range of decorative stitches / adjustable colour/size so garments can be different/individual/personalised • professional finish so garments high quality 	2x1	(2)

Question Number	Question	Part Mark	Total Mark
3971_2F_Q04f	<p>Two purposes of the dress and T-shirt are that they must:</p> <ul style="list-style-type: none"> • be comfortable to wear • provide easy access for nappy changing or toileting <p>Explain, under the following headings, how the dress and T-shirt achieve these purposes.</p>		
	<p>Answer</p> <p>One example explained of how purpose is achieved:</p> <p>(i) Be comfortable to wear</p> <ul style="list-style-type: none"> • T shirt fabric is stretchy / dress is loose fitting so easy to move in • knitted/cotton/elastane t shirt fabric is soft • good length for ease of crawling/walking <p>(ii) Provide easy access for nappy changing or toileting</p> <ul style="list-style-type: none"> • loose fitting/A-line/pleat dress so easy to lift up • straps/buttons can be easily undone 	<p>2x1</p> <p>2x1</p>	<p>(2)</p> <p>(2)</p>
			(Total 22 marks)
TOTAL FOR PAPER 44 MARKS			

