

## Candidate 7

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
1a)	



ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
b)	Metal Extrusion moulding could
	be used for the mild steel
	frame as its <del>is</del> hollow <del>is</del>
	and is the same shape continuously
	the Nylon wheels could have
	been injection moulded as its
	a complex <del>shape</del> and intricate
	shape
	the stainless steel bumper and
	wings could have been die casted
	as it leaves a high quality
	surface finish.

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
C)	handels have been added to
	the back of the collapsible
	wheel chair to allow someone
	to easily push it from behind.
	A smaller circle has been added
	on the wheel of the collapsible
	wheel chair to allow the person
	in the wheel chair to push
	them selves.
	Foot rests have been added
	to the wheelchairs to stop
	the users legs from dragging
	on the floor.



ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
d)	using standard components means
	that the manufacturer doesn't need
	to spend time <del>with</del> and money
	on making them
	Standard components <del>are</del> can
	be bought in bulk <del>so</del>
	Standard components are also
	very cheap to buy in
	if the wrong part is delivered
	or it's the wrong size it
	can completely halt production

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
e)	the width of the seat needs
	to be wide enough so that
	everyone can use it. so it
	should be in the 95%ile for
	hip width.
	the size of the hand grips on
	the back of the wheelchair should
	be large enough so that people
	of all hand sizes can use it
	comfortably.
	the materials used are lightweight
	for the paralympic wheelchair, this
	is to minimize fatigue for the
	player as its not heavy



ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
b)	Acrylic could be used as
	its transparent which allows
	you to see the food and its
	also <del>has</del> quite strong so
	it will protect the food.
c)	<del>how many of the product</del>
	<del>is going to be made</del> ..
	what material is going to be
	used to make the product
	how much is it going to
	cost to use the system
/	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
3a)	it can be used to promote
	the product to a client or consumer
	aspects can easily be changed
	on the model quickly.
	<del>its quicker than making a</del>
	<del>full scale mo</del>
	it gives a very accurate
	representation of what the
	finished product will look like.
b)	customer Loyalty - if a customer
	likes your previous products
	<del>they</del> they may go on to buy
	your new products.

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	if your company has a good
	reputation it will <del>attract</del> attract
	new customers to the product.
c)	having the name of your
	company copyrighted will stop
	other companies from using your
	name and brand as their own.
d)	Stage A - <del>ad</del> advertisement
	Stage C - Peak buying point
	Stage D - Planned obsolescence
4a)	the black and blue colour
	scheme creates a contrast making
	it stand out

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	The shiny material used makes
	the razor look more futuristic
	<del>the pattern</del> there is a pattern
	on the razor which is used
	to signify where <del>the</del> your
	finger should go
	Unity is created by the use
	of orange on the logo and
	orange on the other side of
	the razor.
b)	a sketch model could be made
	very quickly so it won't waste
	too much of the designers time.
	it can also be used to give
	the designers an idea of what
	the product may look like

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
b)	Questionnaire can be used to find	
	out the needs & wants of	
	the consumer <del>cost</del>	
	Internet research can be used	
	to look up similar products to	
	see what standard, price etc is suitable	
	c) they could use recycled materials.	
	they could use bio-degradable packaging.	
	could use thermoplastics so the material	
	can be reused.	
	make the product out of more	
	sustainable materials.	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
(6a)	Rigs can be used to <del>test</del> identify materials	
	test for properties to check the	
	material	
	look at aesthetics of the material	
	heat it up to test if its a	
	thermo plastic or thermo set plastic	
	b) location pins are used so that	
	items can easily be put together and	
	to make sure its in properly	
	ribs / webs are used to give	
	location pins extra support and	
	structural integrity	
	bosses are used to to give	
	the walls of the product extra	
	strength.	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
c)	it can show the consumer how the product fits together and it could <del>give</del> show the consumer who made the product.
7)	during the initial idea stage sketches can be used to effectively and quickly get ideas onto the page.
	A 2D working drawing can be used to effectively show how the parts are to be manufactured and sizes.
	3D isometric drawings can be used to show extra detail and form during idea development stage.

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
	graphics can be used to show the <del>o</del> exploration and changes you have made to your design.
	Exploded isometric <del>can</del> can be used to show how different parts <del>fit together</del> of the product fit together
	Rendered graphics can be used to show different styles, patterns, colours etc of your product during the development stage.
	Oblique sketches can be used to quickly show a 3D form without taking too much time

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	1 pp and 2 pp can be used	
	in the development stage to show	
	how a product may look as	
	its the most realistic, <del>it can</del>	
	<del>also show</del>	