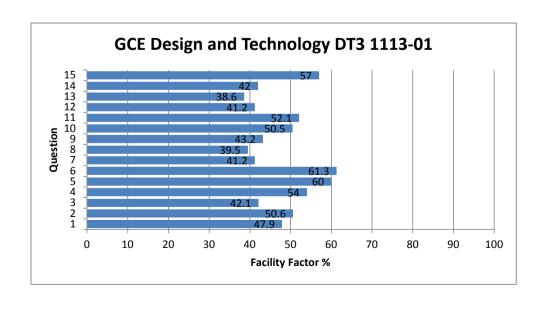


WJEC 2014 Online Exam Review

GCE Design and Technology DT3 1113-01

All Candidates' performance across questions

?	?	?	?	?	?	?	
Question Title	N	Mean	S D	Max Mark	F F	Attempt %	
1	884	3.8	1.7	8	47.9	72	
2	99	4.1	2.1	8	50.6	8.1	
3	819	3.4	1.6	8	42.1	66.7	\leftarrow
4	975	4.3	1.7	8	54	79.4	
5	878	4.8	1.7	8	60	71.5	
6	1110	4.9	1.8	8	61.3	90.4	
7	812	3.3	1.6	8	41.2	66.1	
8	556	3.2	1.7	8	39.5	45.3	\leftarrow
9	520	3.5	1.9	8	43.2	42.4	
10	618	4	1.7	8	50.5	50.3	
11	595	13.6	4.2	26	52.1	48.5	
12	613	10.7	4.3	26	41.2	49.9	
13	175	10	5.5	26	38.6	14.3	\leftarrow
14	455	10.9	3.9	26	42	37	
15	574	14.8	4.2	26	57	46.7	



SECTION A

Answer three questions from this section.

This section is designed to demonstrate your breadth of knowledge in Product Design.

Each question carries 8 marks.

3. Explain why innovation is important to the process of designing products.

[8]

3. Innovation Is highly hypothems to be process of designing products because you will need to find ways to make you forther the world if not heen it will just simply be a weering plain to have thick no body will wrent to have small when is important to he locess of designing products is secured before you make a product you will always need a flush this is where innovation of he product hacks in to flule in croser for it to be attractive and affecting to your turget nawked it will have to be innovative such as it can be used for indoor and outdoor use and also have a cunquic specification point nating it innovative. On innovative classion will affect to kelp the users happy and fersuaded to by it not only treat but it can be maney scanny.		Section A
That will need to Vind ways to Make you frochect anique Jand Stand out to the world if not her it will just Simply be a warring flain froduct which no body will anount to have Anchor reason why innovation is important to he hocess of designing products is because before you make a froduct you will always need a flan this is where innovation of he froduct kacks in to flale in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be used for indoor and oaldoor use and also have a unique specification point making it innovative, and innovative design will able to keep the users healty	3.	Innovation 35 highly Important to he
How will need to Vind ways to Make you frochect anique Jand Stand out to the world if not her it will just Simply be a warring plain product which no body will anount to have Another reason why invovation is important to he hocess of designing products is because before you make a product you will always need a flun this is where innovation of he product kacks in to flule in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be used for indoor and oaldoor use and also have a unique specification point making it innovative, and innovative design will able to keep the users healty		process of designing products because
it will just Simply be a boaring plain toduct which no body will mount to have the thick no body will mount is important to have before you make a products is because before you make a product you will always need a flust this is where in novation of he product hacks in to flule in order for it to be attractive and affecting to your twiget market it will have to be innovative such as it can be used for in door and outdoor use and also have a unique specification point making it innovative, and innovative clesion will able to kelp the users halfy		you will need to Vand ways to
it will just Simply be a boaring plain toduct which no body will incent to have the product of the product of the products of designing products is because before you make a product you will always need a flust this is where in novation of he product hacks in to flule in order for it to be attractive and affecting to your twiget market it will have to be innovative such as it can be used for in door and outdoor use and also have a cunque specification point making it innovative, and innovative clesion will able to kelp the users halfy		make you froduct cinique Jand
trocluct which no body will incust to have Ancher reason why innovation is important to he brocless of designing products is because before you make a product you will always need a frust this is where innovation of the froduct lacks in to frule in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative, can innovative clesion will able to keep the users halfor		stand out to the world if not then
trocluct which no body will incust to have Ancher reason why innovation is important to he brocless of designing products is because before you make a product you will always need a frust this is where innovation of the froduct lacks in to frule in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative, can innovative clesion will able to keep the users halfor		it will just simply be a becering plain
products is because before you make a product you will always need a frent this is where innovation of he froduct tacks in to place in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative, and innovative clesion will able to kelp the usex halfy		troduct which no body will input
products is because before you make a product you will alwayshed a flus this is where innovation of the Product kicks in to flule in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative. Our innovative clesion will able to kelp the users halfy		
a product you will always need a flus this is where in novation of he froduct lacks in to pluce in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative, and innovative clesion will able to keep the users halfy		is important to the hocess of designing
this is where innovation of the Product kicks in to pule in order for it to be attractive and affecting to your turget market it will have to be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative, an innovative clesion will able to kelp the useks halfy		products is because before you make
for it to be attractive and affecting to your turget market it will have to be innovative such as it can be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative, can innovative design will able to kelp the users halfy		a product you will always seed a plus
for it to be attractive and affecting to your turget market it will have to be innovative such as it can be used for indoor and outdoor use and also have a unique specification point making it innovative, can innovative design will able to keep the users halfy		
to your turget market it will have to be innovative such as if can be used for indoor and outdoor use and also have a unique specification point making it innovative, an innovative design will able to kelp the users halfor		
outdoor use and also have a unique specification point making it innovative, our innovative design will able to kelp the users halfor		for it to be attractive and afrealing
outdoor use and also have a unique specification point making it innovative, our innovative design will able to kelp the users halfy		house is in actived to call
contdoor use and also have a unique specification point making it innovative, our innovative design will able to kelp the usex halfy		it can be used for in door and
it innovative, our innovative designs		
will able to kelp he users halfy		Uniquio Specification Doint nuking
will able to kelp he users hally		it innovative CUN innovative cresion
and fersuaded to by it not only trust but it run be runey Suring.		will able to keep the users hally
but it can be riving Saing.		and Persuaded to by it not only truct
		but it can be riverey Saving.
		The Paris of the State of the Paris of the P
		and the state of t
		Enthety billophical Entrediction in the single etc.
		He combined the third like the light of the
		Touristical and any for a particular and the formation of the particular and the formation of the formation
		POLICE OF THE PROPERTY OF THE PARTY OF THE P
TARREST COLORS AND		THE STATE OF THE S

	Section A
2.	Innovation is highly hupofant to be
	process of designing products because
	you will need to Upind ways to
	make you froduct anique Jand
	stand out to the world it not then
	it will just Simply be a moering plain
	todact which no body will want
	to have thick no body will insunt
	is important to the rocks of designing
	products is because before you make
	a product you will always need a fres
	this is where innovation of he
-	Product kicks in to Prule in order
	for it to be attractive and affecting
	to your turget nurket it will
	have to be innovative such as
	it can be used for indoor and
-	outdoor use and also have a
-	Unique specification point making
	it innovative, cur innovative design
	will able to kelp the users helping
	and fersuaded to by it not only trust but it (un be morrey Suring.
	but it law be runty searcy.
3	219/04 Man Aud Clares/ (Aud 171-1944) And Aud 171-1944
T	Paradon de la seria de la companya d
	1 - 12 10 5720 H Salat at 12 52 13 180 101 1/4
	the state of the s
	The second secon
	LE LO LI LE LA LINE DE LA COLLEGIA DEL COLLEGIA DE LA COLLEGIA DE LA COLLEGIA DEL COLLEGIA DE LA

Turribur	
	Customers in regards to
	the product and then
	you increment the
	O customera needs into
	your idea it will
	O'increase Sales Such
	as a camera that
	has more megapixels for the iphone.
	for the iphone.

Customers in regards to
the product and then
you increment the
U customera needs into
your idea it will
U increase sales such
as a camera that
has more megapixels
For the iphone,





3. Innovation refers to being creative whilst designing and manufacturing products.

It is evident max unionation is highly important to the process of designing products as designers must be creative in order to make their products Siana out in competitor products.

For example, they must attempt to
 be as creative as possible by
Creating a Unique Selling Point of
The product, as an alternot to
guarentee sales: # It could be
argued mar they could do this
through aspects such as including
me modern technique of caser
allting in an eveningwear garment,
in order to caten attention.
I milarly involvation is also
 important whint designing a
 product as being creature may
 include experinmenting with new
materials. This could consequencely
be pereficial as the original idea
of the designer may flourish into
 something better than before and
 Showcase the use of new materious.
For example, smart materials such
as memochromic materious, which
 could be experimented with and
 be used to make for example
heatable clothing
 On the other hand, inscription
 is as can also be seen as
important to the process of designing
 products as it simply shows much
the designer is confident in
what they are during. It also
could be due to aspects suchas
market pull and merejone
consumer demand for Bett
more efficient and improved
products. Due to this, designers
 are aware that innovation is
essential within the process of

expectation and the pressure of a Successful product life-cycle-

3. Innovation refers to being creating which assigning and maniforming products.

It is evident most universition is highly important to the process of assigning products as designers must be creature in order to make their products stand out in competition products.

For example, they must attempt to be as creative as possible by Creating a Unique Selling Poini of The product, as an alternot to quarentee sales: It it could be argued that they could do this through aspects such as including me modern technique of caser alting in an eveningwear garment, in order to caten attention. I milarly irrovation is also important which designing a product as being creature may include experimenting with new materials. This could consequencely be pereficial as the original idea of the designer may prourish into Something better than before and Showcase the use of new materials. For example smart materials such as memochromic materials, which could be experimented with and be used to make for example hearable clooning On the other hand, inionation is all can also be seen as important to the process of designing orducts as it simply shows most the designer is conficient in what they are doing, it also could be due to aspects suchas market pull and mereferre Consumer demand for bett more efficient and improved products. Due to this, designers are aware that unionation is essential within the process of

Question number

Leave Blank

designing products due to audience expectation and the pressure of a Successful product life-cycle.



SECTION B

Answer three questions from this section.

This section is designed to demonstrate your breadth of knowledge in Product Design.

Each question carries 8 marks.

8. Outline how the main elements of Registered Design, as prescribed by the Intellectual Property Office, benefit the creator of the design. [8]

© WJEC CBAC Ltd. (1113-01) Turn over.

8	Registered Design is me step futher than Design
	rights design rights automatically product your design
	but you can register this design so that it becomes
	registered - hence Registered Design
	One of the main elements is that it lasts for 25
	years. Design rights only last for 15 years maxmum
	whereas Registered Design can last for 25 years. This
	derefts the designer as it prevents anyone from
	And I man should sold,
	weased as hed by mather keyfed
	copying his design and manaplacturing it.
	Another man elevent of is that the design cannot be
	coffed or mercand by any other designer, this benefits
	the endor of the design because it allows only
	the creator to create and sell his their product

	to gan profit. It can however be beensed, sold or had to
	aryone else.
	A made of the last the second of the second
	Another main element would be that registered design is
	able to include feet 20 and 30 images/objects. For
	example if a voise was prade with a origine
	form and pattern then the registered design would cover
	this preventing argue else from using this de patter.
	this preventing augue else from using this de patter. Design rights doesn't cover this so that may be that
	a reason to register your design
	The last man element for registered design that will
	senefit the creater of the design is that the design
	doesn't have to be an invention, for an number,
	the design must be parented but for a registered
	design, the new product doesn't have he be an
7	inventor, it can just be a different design of an
	existing product such as a wase with a different
	form/ chipe h it.
	Journ's Transfer of the second

8	Registered Design is me step futher than Design
	rights design rights automatically product your design
	but you can register this design so that it becomes
	registered - hence Registered Design
	One of the main elements is that it lasts for 25
	years. Design rights only last for 15 years maxmum
	whereas Registered Design can last for 25 years. This
	derepts the designer as it prevents anyone from
	Antho 2 man steam is that the lesign can ide sold,
	weared as hard by mother beinged
	copying his design and manufacturing it.
	Another man elevent of is that the design canot be
	coffed or wreated by any other designer, this benefits
	the center of the design because it allows only
	the creator to create and sell his their product

to gan profit. It can however be beensed, sold or had to faryone else.
Another main element would be that registered design is
able to relude Att 20 and 30 images/objects. For
example if a vase was prade with a origine
form and patters then the registered design would cover
this wereshing argue else from Using this the pattern.
this preventing augme else from using this de pattern. Design rights doesn't cover this so that may be that
n reason by register your design
The last man element for registered design that will
benefit the creator of the design is that the design
doesn't have to be an invention, for an number,
the design must be parented but for a registered
design, the new product doesn't have he he as
inventor, it can just be a different design of an
existing product such as a vase with a different
form/ shope h it.



8	A Regishered Design gimes you the exclusion
	rights to the look and orthand apearing
	of a product. It protects a disjourn product
	from being appied and allows them to sell license
	and let out their dusign to other people.
	This bring many benipis to the designer. Most
	ingo-hably it portects their doing. This means
	that they then have the only right to
	sell and profit from their work. It also
	alons them to publically expose their product

noir	طم	out f	hir	no-h be	انمها وا	d and p	us f. two
					pokh		
from	ch	enp c	oppin	Hooding	Cunson	Mr.	
The	craata	r et	the	duin a	en then	duly	The
						Mark The	_11/_

8	A Registered Design gime you the exclusion
	rights to the look and outward aperious
	of a product. It protects a disjourn product
	from being appied and allows them to sell liange
	end let out their dusign to other people.
	This bring many benifits to the davigue. Must
	ingo-hally it portects their doing. This means
	that they then have the only night to
	sell and profit from their work. It also
	along them to publically expose their product

Leave Blank

			being enppir		
			ing consu		/
			can Then		
product	ferth		100	Alexander and	NA C

8 Intellectuell property is the integrable
property most is the result of creativity.
Regristered design rights produced me
way a product looks. The projection
property most is the result of creativity. Registered design rights product the way a product looks. The protection does not cover certain motherials or
textures but does cover the compelation
of These feature so it cannot be used
by others It does not over simple
by others. It does not over simple text either. It can be appliced to
a 2 dimensional shape/pattern or a 3
dimensional ovenorment (The shows of
dimensional orenament (The Shape of a component). Registered design rights
benchit The createst of the design as
the prevent others from using the
dunious a design looks without permission.
with permission the designer can get
page royalties from The use of the
design As the Spron right is legal
property et allows you to take people
who have intrinoped upon work ownershin
who have infringed upon your ownership right to court and sue them. By deing
The state of the s

Question number

able to register design rights for components of products (placause of the way the look) it prevents
components of products abecause of
The way the book it prevents
amporters using the some
mechanism and so keeping you
ahead of the market. Protecting
The company from of lecutrines also
means a clasian coin be unique to
the designer and The designer can
be recognised publically for their
be recognised publically for Their designs - such as Johnamen Ives.

8 Intellectuall property is the integrable
property most is the result of creativity.
Regristered design rights produced me
way a product looks. The projection
Property most is the integrable property most is the result of creativity. Registered design rights produced the way a product looks. The profection does not cover certain materials or
textures but does cover the compelation
of Those leading so it month he used
by others. It does not over simple
text either. It can be appliced to
by others. It does not over simple text either. It can be appliced to a 2 dimensional shape/pattern or a 3 dimensional orenament (the shape of a component). Registered design rights benefit the createst of the design as the prevent others from using the
dimensional orenament (The Shape of
a component). Registered design rights
benefit The cracitot of the design as
the prevent others from using the
do nou a design looks without permission,
with permission The designer can get
pays royalties from The use of the
design. As the Design right is legal.
property it allows you to take people
who have intringed upon your ownership
de prevent of the state permission, with permission The designer can get payer royalties from The USE of the design. As the Design right is legal people who have infriropal upon your ownership right to court and sue them. By deing

2

2

able to regulater design rights for	¥-
components of products abacause of	
able to register design rights for components of products (placause of the way the look) it prevents	
manifer using the some	
Mochanism and SO KOODENG WED	2
ahead of the market. Hoteling	<u> </u>
The combination of feotimes also	
means a design can be unique to	
the designer and The designer can	
be recognised publically for Their	
be recognised publically for Their designs - such as Johnathen Ives.	





SECTION C

Answer two questions from this section.

Your answers should be substantial and show the depth of your knowledge in Product Design.

Each question carries 26 marks.

13. Product designers will often have a 'toolbox' containing various strategies for creative thinking, such as brainstorming.

Compare, in detail, **two** other creative thinking strategies with which you are familiar. [26]

END OF PAPER

13	It can be difficult for designer to produce					
	creating iches, honour often this phase is highly					
	important and influential designing phose					
	of a product. crantin idea allow the designa-					
	to our come problems and exploit me opportanite					
	through their princet. In this essay I will					
	focas on & two meathers, the 6-2-5 meather					
	and the SCAMPER meethed.					
	The 6-3-5 meathed is a group activity in					
	which the eim is to produce 106 new ideas in					
	30 minutes. The emphasise in the 6-3-5 meshod					
	focused on genutity on the theo geality. The main air					
	is to mark in a sour of 6 and to build up.					

	others ideas boosting crashivity.
	The SCAMPER method houses is more an
-	individual constitue sharing which encourages the
	designer to change their peropection on their
	problems and opertonity. (These words are combined to
	crask probortunity)
	SCAMPER is an acrom with shedu for:
	Substitute, Combine, Adapt, Modify, Purpose, Eliminate
	and revurse.
	Substitution is the process of substituting part of
	your product to create a new probostanity.
	Combine muno to combine parts of your probordanits
	to count one ones that are then be advanted
	Adapting your product in certain may my grants
	Simulation to the first terms of the second
	Sinverty modifying your product may also help to
7	ovar com problema
	Changing the perpose of your product to soil
	a new proportionity. and finally
	Eliminating parts of mour product or problem,
	and finally remaring the probation to be view i't
	from a dipperant perspection.
	Both these strategies have simularities and difference.
	administry and disadvantages.
	The 6-3-5 mealhol can be extremly useful
	because it allows disigners to draw apon ideas
	of other individual in the group. This greatly
	increased the volume and vapiety of ideas being
	generated.
	The SCANIPER merthod benever is an individual
	analogies of a problem and so does not selected
	epon or have the support from a group.
	The SCAMPER me-thod is however very systematical and structured. It along the designer to address the problems of the design in a variety of perspectal.
	and structured. It along the disigner he address
	the problems of this design in a variate of perspeak
	and angles, where as the \$ 6-3-5 menthed does not
	achive this specifically

	The 6-3-3 meathed may not be as production as					
	The SA SCAMPER mealhood because it focuses on					
	grantity of ideas and not quality. In this					
	Sence it may produce numerow ideas however the					
	may not be realistic or high quilip. some					
	designers may prefer to use the SCAMPER					
	meathed and produce gener ideas independently but					
	insura that there ideas are addressing the specific					
	problem and are of higher geality.					
	Many disigner often become stuck or fixed on					
	single iche and so northing in a group during the					
	community stages can produce much bether moulto.					
	The 6-3-3 meethod can some large amounts					
	of time, which will wanterly reduce the try head					
17-6	time of a product mensing that it can be brought					
	be market much water This is I					
	to market much faster. This is because a large					
	quantity of ideas can be goverted in a nelitically					
	short period of time allowing only the but one					
	to progress onto the development stages using					
- 11	To see competer programs.					
	The SCANIPER maked can sulp to generate					
	out of the pox' idea through its various					
	aproaches to - problem. The multiple aproaches mean					
	that problem can be berned around and new					
	opporchibies can be exploited. This streetend gide is					
	not available in the 8-3-3 menthod homeran and					
	on this code be seen no a displantage					
-	In conclusion to bother both these neithers, I believe					
	that between both of them a be designed has					
	an effective around to over one the problems					
	that they are likely to must during their disjoint					
	agel. It may be down to the disigner professione is					
	to which they find more nelpful; the SCAMPER					
	menthod can be comed to radion as product and open					
	My new opportunities, and the 6-3-5 method work as					
	a had to generate muliple constitus iches, Both both					
	of which will grantly improve the product.					

3	It can be difficult for designers to produce
	creation iches, honour often this phase is highly
	important and influential designing phose
	of a product. creation ideas allow the designar
	to over some problems and exploit me opportuniti
	through their princet. In this essay I will
	focas on & two meathods, the 6-2-5 meathed
	and the SCAMPER meethed.
	The 6-3-5 meathed is a group activity in
	which the sim is to produce 106 new ideas in
	30 minutes. The emphasise in the 6-3-5 merthod
	focused on genutity on the theo geality. The main six
	is to mark in a snow of 6 and to build up.

	other ideas, boosting crashivity.					
	The SCAMPER method houses is now an					
	individual exaction sharing which encourages the					
	designe to change their perspection on their					
	problems and oportonity. (These words are combined to					
	crack probortunity)					
	SCAMPER is an acrom with shedu for:					
	Substitute, Combine, Adapt, Modity, lurgose, Eliminate					
48E 1	and reverse.					
	Substitution is the process of substituting part of					
	your product to create a men probooknity.					
	Combine muno to combine prob of your proborhaits					
	to conste new ones that can then be advissed					
	Adapting your product in certain my my grants					
	impount it.					
	Sinverty modifying your product may his help to					
	ovar lone prophers					
(41)	Changing the perpose of your product to soit					
	a ma proportionity, and finally					
	Elininiting parts of rejour product or problem,					
	and finally remarking the probations to view it					
	from a different perspection.					
	Both these strategies have simularities and differences					
	advantages and Alsa Avantages.					
	The 6-3-5 mealhol can be extremely week!					
	because it allows disigners to adder apon ideas					
	of other individual in the group. This greatly					
	incompace the volume and vapichy of ideas hing					
	zennted.					
	The SCANIPER merthod bonaver is an individual					
	analysis of a problem and so does not select beild					
	epon er have the support from a group.					
	The SCAMPER me-thed is hours - varo asstanation					
	and structured. It along the designer to address the problems of their design in a variety of parspection					
	the problems of this clision in a variety of perspedition					
	and angles, where as the \$6-3-5 menthed does not					
	achive this specifically					

The 6-3-3 meathed may not be as production as the SK SCAMPER meallood because it socuses on quantity of ideas and not quality. In this Sence it may produce numerow ideas honever they may not be realistic or high quilip. some designers may prefer to use the SCAINIPER merthal and produce gener ideas independently but insura that there ideas are addressing the specific problem and are of higher gestity. Many clasigner often become stuck or fixed on a single iche and so northing in a group during the constituing stages can produce much bether moults. The 6-3-3 meethod can some large amounts
of time, which will wanterly radece the top had time of a product menning that it can be brought to market much faster. This is because a large quantity of ideas can be goverted in a relibiously short period of time allowing only the boot ones to progress onto the huntiporent stages using Ict and competer programs. The SCANIPER muchod can help to generate out of the box' ideas through its various aproached to a problem. The multiple aproached mean that problems can be beened around and new opporthibies can be exploited. This streetend gide is so this cold be seen as a displantage In conclusion to bother both these neithers, I believe that between both of them a be designed has an effective around to over come the problems what they are likely to most during their disjoints and. It may be down to the disjoint profession as to which they find more nelpful; the SCAMPER menthod can be cred to adwish a product and open a hool to generate multiple creative iches, Both both of which will grantly improve the product.

 \bigcirc

13	Creative Runeing Strategies vary greatry
	depending on the metros that a
	dosigne beleines softs a scenarof task
	best. Two other conectine & fliending
	strategies asside brainsteming are marphologica
	analysis and and lateral
	Everyeing
	Marpho logical availy 15 is the mathematical
	approach tecker by designer when
	enocean new possibilities for a design
	caliticis. This is done by listing entry
	possible cherackerstic and the vanations
	within tolat (see table in next bocklet). Latera

13	Activities as the Au Analysis tuble for a light bulls							
	hand or the	1 - 1 -		Poner sour ea	Maleria			
10 NO. 10	creatin process							
	conned by	halogen	6100	battery	wead			
	de baro cello	enegy		wall plug	prenti'(
	peliene hat	Saver		' '				
	a deorgie must		white	solar	metal			
	Fruit atside		green		gan			
	the box'. These							
	teur defferent			•	1			
	approactos							
	will aften be	Nelia	of an	the ger	wal			
	habit of the	desig	pres ou	nd the ve	queti			
	of the task. 1	Marpho	logical	analysis o	n'a			
	more rational are	a) dei	nsed u	say of Sals	vire			
	problems whilst	problems whilst laboral Frenchery relies an						
	creativity. Both are creative ways of							
	tunding but the defference his arthur							
	the metrod. The main ourpointine period of there two Stratogies is the physical process							
	desima							
	has been presented with.							
	The main del	VAOINOIN	m bo	trason fue	fivo			
	creative frienden	Wis	etorin	is floor	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	of Alem. Latera	l Ai	e es hares	CA MARIA	limola			
	to speur sarethi	snew surther weather and artistic						
	to spewn suretheir andartisties but this may not be relevant to the							
	fersh. Marphologrical analysis is							
	is for were n	neichtea	e Japo	mounds as	tweep			
	in for where of	fle	deffiance	ent orphion	1 the			
	designed can isvally see the hossible							
	woundliens will	87 latoral trensiery relies						
	an the imagniers	Jus)	Long rolation	jar and	Wissi			
	Relly friendiance	procl	uce a	unique	604			
	Relly friendiance	, W	roduct	as The	Leorgnes			
	on see the d	effeire	nt com	Budo'an	op74ous			
	whelst also so	reing	whole	could V	W b			
		4						

TIGITIDE!	
	noose at the same time. Laboral flienting
	may not be considéred as preschical as
	ct dones not involve doserning the possible
	Januarions or evaluality différent
	combendations. It does however my an
	OARORARIN SCHILLDRAM HALAN SON OF THE STATE
	en the artention or to areate randling
	outside of the constant
	MacDidonia de medicie hom.
	Marphological analysing and Cateral thinky
	are two dey defferent weather flieling
	Strategies when it cames to problem
	Solving. The compansors can be seen in
	the method, creatine versus mathematical, and
	also soen in the results. Both tunheir Strategies
	purposes and scenarios belted then the othe.
	COLTER CHIEF TO COME.
	haters trunken belan to the creative and
	astistic world whilst merphological analysis
	en neuro focused as problem sulvivery and
	onestein a variety of approus fer are product.

4.004	

Question number

13	Creatine Princing Strategies very greatry
	depending an Rue mestro And a
	dosignes beleines softs a scenarof task
	best. Two other creatine of fliending
	strategies asside brainstening are marphdagicas
	Every
	Marpho logical availy sis is the mathematical
	approade feeler by designer when
	modern new possibilities for a design
	possible characterstic and the vanations
	within total see table in next bocklet). Lateral

iuiiibei		}			
13	Authory on the Aur	Analysis	tuble for	a higher bulb	
	hand or the			Poner sour ea	
	creatin process				
	porned by	halogen	6100	battery	weed
	de baro cella	enegy	blach	wall plug	plensti'(
	peliend hidt	Saver		')	
	a deorgre must		white	solar	metal
	Thurk ortside		green		gan
<u> </u>	the box'. These		7		
	peux defferent	•		1	1
	approactos				·
	will aften be	Mllia	ut ar	the ger	wal
	habit of the	desig	pres ou	nd the ve	quets
	of flee task. 1	Marpho	logi cal	analysis c	n'a
	more rational are) des	nsed u	vay of Sals	vire
	problems whilst	Laterce	l Freer	hery rel	ies an
	areatority. Both	are c	neature	ways of	0
	turibility best A	o de	pereno	ues a	Meir
······································	the method. The	Maii	i ouper	ntive per	W Cd
	there two Strotton	gries c	is the p	hersal pro	o een
	has been present	liz Me	blen t	wat the	designer
	creative friender	Herren	nd Do	triven the	two
****	coreative theriany	<u>SM</u>	setogies_	is fle v	results
	of hum Lated	e th	enter	a note	linely
	to spour suretie	ry a	rection	and art	rshie
	but their may	ten	o be 1	elevout f	e the
	form. Marphology	cal a		analysis_	12
	to for were in	NULLY COL	e app	moderal as	tweeth
	the district of	the	affloire	ent obtion	1 fle
	designed con in				
	varietiens while	st lá	total h	certiery 1	elies
****	as the imagners)M)	vonero roll	jai jama	WITTY
	mae likely 1 to	procl	uce d	unique	16Ut
	felly fueldiance	$\frac{\partial}{\partial x} \frac{\partial}{\partial x}$	roduct	er the	Leongher
	Relly frenchionals	ifkers	nt con	ubuda on	options
	whelst also so	rein	WHOLL	celle V	U b

number	Bi
noose at the same time. Latoral flue	ishin
may not be considéred as preschical a	1
It does not involve disperious the no	2597974
Janoarian maladim mhising	7.94.17
Compension, it does however Min as	
greatery garelousy new and another	Уų
en the artention or to greate save	Win
outside of the mediane hom.	
Marphological analysis and Cateral Au	inkey
are two dey defferent creative flienden	
Strategies unes it canes to problem	
Solving. The companions can be seen in	
the method, creative versus mathematical, a	end
also seen in the results. Both tunken Shra	tegrées
are effective but hey can suit deffer	rest
purposes and scenarios belta then the c	Mer
hateal trenkey below to the cheatere and	
astistic world whilst merphological gralips	/
er neure focused as problem sulvery and	
menting a variety of approus for are product	t."
1 ' ' '	

	SECTION C
	The Market And Committee of the Committe
13.	product designers tend to have
	a foolbox containing various stratergies
	for creative tunking such as a
	product Analysis. The product mays
	allows you I to overcome many
	product Analysis. The product Analysis allows you to overcome many answers for a designer such as
	range of age grow Which is
	range of age group and is
	Scritche to terget using internet research. Also They will able to
	research. 1980 They will nove to
	identify any & hazards which
	can occur and how to solve
	nem his vicey be a couse of waring
	goggles when neccessury or placing
	others. Also Designers are able to
	inters. Also designed are and to
	identify many different types of needed which is needed
	for heir product Such as Fed acrylic
	in order for it to be affecting. Another
	Consens with a strateway such al
	Product Annies will be good for designer
	is that they are outle to adjust and
1.3	and way sto deere los the Product
	and Jake it have more used
	and in from outs made. Not only
	that but were all what to what
	identify which types of finishes maybe
	noccessory for a design according to
	no designers budget and income.
	The residence of the second of

	froduct designers tend to have
	a too box couldining various struterges
	for crecitive puenting such as
	the Specification of Vessential
	and Desirable The Specification
	of essenshal and Desrable allows
	mony Designers to overcome their
	mony Designers to overcome their answers Such as where as periode fuely are able to come of to
	tudes are able to come of to
	dessions such as an here troduct
	can come in a ust range at colours,
	hier product can be multifunctional
	mer product con se portable
	and have elephent shapes to attract
	have lights in order to make it
	niore aschal As for essential designers
	are able to juny to conclusions
	where as the Product must be
	this cortain size or the prochyct
	must storc a range of books from
- 1	3-5 or heir product must
	have a creater proof finish in order
	to with stend two rain. Essentian
	and desirable specification helps
	based on heir cursuers for their
	clesian not only fuch but it also
	helps develop and improve the awall
	look of heir design.
	1000
	The Market Mills of the Control of t
/- 1	

13-	Confurson between Product
	Analysis and Essential and destruble
	specification. In my overall ofinion
	to hive their a V Droduct Anelysis
	is better han the specification
	for designers as its more useful
	houser true they are two differential
	tool boxes The product Analysis
	cen show designers above to improve
	and so does the specification However
	the Analysis can outtine full safety
	aspects where as the specification
	me can only state it must be sufe.
	Houser and adventage of the specification
	is must you can easily a list of weeks
	of how to infrove your design
	from the essential sile and take
	it into account. Also with the
	Analysis you can easily allocate a
	wide range of materials which
	disgners can ferform on their
	design and find which is best Suited = 1 And overall ofinion =
	Suited of My overall ofinion a
	proclubancisses
	In Conclusion I think our Specification
	than a specification points this is
	than a specification points pus is
	be cause simply with the product
	analysis you are able to come
	to better oconclusions as you have
	a lagger field of results also your are able to have custoner results
	are able to have customer results
	and tuget audience results making it
	alor ecision for just freezings.

	SECTION C
	The Washington The First Word Word Washington
13.	product designers tend to have
	a tool but containing various strategies
	for creative trunking Such as a product Analysis
	product Analysis. The product Analysis
	allows you to overcome non
	answers for a designer such as
	range of age group which is
	range of age grout which is
	Scritable to therget using internet research. Also They will able to
	identify any & hazards which
	can o scar and how to solve
	pen his viente a couse of waring
	goggles when heicessure or placing
	a west wet floor sign to notice
	others. Also Designers are able to
	identify many different types of nicetarial which is needed
	of nicetarial which is needed
	for hoelf broduct Such as FLO acrylic
	in order for it to be askedling. Another
	reason aly a stratergy such as
	Product Analysis will be good for designers
	is that they are able to adjust and
	fine way sto develor he troduct
	and, Unake it have more uses
	and infroments made. Not only
	That but your are able to take
	identify which types of finishes may be
	noccessory for a outry of according to
	the hearginers bullyer and medical.

	Product designers tend to have
	a too box couldining various struterges
	for crecitive puertising such as
	Mee, Specification of Vessential
	and Desirable's The specification
	of ossenshall and Describe allows
	mong Designers to overcome their answers Such as where as periodice fuely are able to come of to
	answers Such as illere as Derieble
	tues are able to come of to
	dessions such as as here froduct
	can come in a use range of colours,
	her product con de multifunctional
1	Their product can be portable
	and here elephent shales to attract
	have lights in order to make it
	nore useful. As for essential designers
	are able to juny to conclusions
	where as the Product must be
	This cortain size or he product
	must store a range of books from
	3-5 or heir product must
	have a createrproof finish in order
	to with Stend two rain, Essentian
	and desirable specification helps
	designers Create the Correct dession
	based on heir cursuers for their
	clesian not only fuch but it also
	helps develop and improve the overall
	look of their design.
	I MARKET HOLDS - SAME MINISTER OF MARKET HE STATE OF THE SAME OF T
	I to be be supply of the problem of the best from
	the same of the sa

13-	Comparison between Product	
	Analysis and Essential and destruble	
	Specification. In my overall officy	
	twink that a U product Analysis	
	is better from the specification	
	for designers as its more useful	
	houser true they are two differential	
	tool boxes. The product Analysis	
	cen show designers above to improve	
	and so does the specification Honever	
	the Analysis can outtine full safety	
	aspects where as the specification	
	me can only state it must be sufe.	rn
	Houever and adventage of the specifical	10
	of how to infrome your design	
	from the essential side and take	
	it into account. Also with the	
	Analysis you can easily allocate a	
	wide range of materials which	
	disgners can ferform on their	
	design and find which is best	
	design and find which is best Suited of my overall ofinion of	
	Procliet Analysis	
	In Conclusion I trink our Specification	
	is best suited for designers rather than a specification points his is	\[\sum_{\sum_{\color}}\]
	than a specification points this is	
	be cause simply with the product	
	analysis you are able to come	
	be cause simply with the product analysis you are able to come to better conclusions as your have	
	a ligger field of results allow you	
	a ligger field of results also your are able to have custoner results and tugget audique results making it alot easier for your findings.	
	and ruget auditud results making it	
	alor ecision for your frames.	-