1106/2021	Second Internal Test.	Provide Communication Control		
	MP 482 - Product Development & Dogs	Christy Varghese		
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٨	Creat ivity			
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	The six directions are:			
	Delanging Blue - what is he subject? what are we thinking about? what is the goal?			
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- Optimistic response Yellow logic applied to identifying benefits

  8 eeking harmony. Sees the brighten, sunny vide of situations.
- @ Greativity Grun statements of provocation and investigation, 8 can where a thought goes. This ks creatively, outode the box.
- (4) Hell intellectual property is the product or creation of the mind. IPPC intellectual proporty rights) is the body of law developed to protect the creative people who have disclosed their invention for benefit of mankind. Intellectual property can be ones of the most valuable assets of firms. Thoughore, legal mechanisms have been durloped to protect the rights of intellectual proporty owners. There are different methods to protect the intellectual property

  - Patent: A patent is a grant from the gov. which confers on the guarantee for a limited period of time the exclusive pervilige of making selling of using granted.
    - Tradiment: Exclusive right given by government to the trademark owners to use a specific name or symbol in association with a class of product or process.
    - Trade Sceret: A symbol, logo, word, sound, ever, degran a business or a product in commune.

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Copyright - Exclusive right granted by the government to copy f distribute an original work of expression, whether literature, graphics, music, and, entertainment or Sho.

## Part B.

D'Engonomics is defined as the relationship between man and machine and the application of some principles to solve the problem arising from this relationship.

The word ergonomies means - "ergon" - work
"nomous" - natural laws

Esgonomics is scientific study of man and machine and onvisonment. The main objective of the ergonomic is to make machine fit for the user rather than to make the user adapt himself to the machine.

eg: the arrangement of placement of Pe components (mouse, monitor).

· Any machine cannot be continue working for a longer porced of time walkout the and of man. . The work can be performed by a man machine system. · Hence a man-machine system may be defined as a combination of artivities the man and machine to get the derive of p from the given 1/p. Information Reception · From display ibstruments, the about lu operation of marhine. · this If he feels that the correction is necessary then the take the constitue detion to operate the control or lever. · This corrective action of man after the performance of the martine. . The contact of man machine system in a cloud loop system gives information to the man & control which will specife by mon to adjust the machine. Part B (3) Concurrent Engineering It is a business strategy which replaces the traditional product development process will one in which tasks are done is parallel and there is an early consideration for every aspect of a product a development process. This strategy focuses on the optimization and distribution of a fram's resource in the design & development process to ensure effective and efficient product development procen.



A lotter to
This allows engineers and managers of different disciplines to work together simultaneously in developing product and process design.
process design.
Parted procure
Idea Product Manufacturing Assembly Maintenance
fur way Assembly Maintenance
4
time to market
, time to market
concurrent engineering methodologies permit the separate tacks
of the product development process to be carried out.
Simultaneously rather their sequentially.
Potential process problems in Labrication generally growth and and
are identified & resolved early in the design process.
Advantages of concurrent Engineering.
-> Less work in progrem
-> Reduced Design & Development Times.
- Reduces waste & reworking of dissing
- Decrease in time to market.
- continous improvement of product quality
-> Increased productivity
- faster product development
-> Company operates more efficiently.
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	Part A.	and the second s	
(2)	Rapid Prototyping.	2m110	01.00%
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§	- Complex designs where a	are difficult in a	priventional
	methods are possible.	0	- "
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	- Reduced cost		
	-> Reduced time. -> Euros can be detected	much earlier.	
	-) Users are actively involved	in 110 dovalopmen	ot .
	-> Users are actively wholver	07 (00 2000)	
	[ Camale	Paule	> Remove supports
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	Build supports		- surface
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All RP techniques employ the basic five steps processes.

- · Convert CAD model to GTL formation
- · Slice the STL file into this cross sectional layers.

clean of finish the model.

construct the model one layer atop durther.

Out B	
Rout B	Types of RPT
	> Solid Based
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	encompan all forms of meterial in the sold state.  (1) eq! funed decomposition modeling.
	Tool cooling.
	Powder Based
	Detrouver it is intentionally created as a category outside the
	eat Relective Laser Rintering.
	, ,
	STEPEO LITHOGRAPHY (SLA)
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	bégaid airylate polymer.
	The beam ower the postions of Liquid with.
	photo polymen and products part.
	a solid body. Platform Platform
	This papers is repeated till Elevation.
	the fire is reached.
<b>(</b>	Then another postion of the cylinder is shaped till the portion is reached
	per from 12 reaction