# Importance of Intellectual Capital ? [5].

I) It allows the business to be more innovative becare good quality became and opegation methods can help the company gain a cost advantage.

in) Intellectual copied increases the value of the business, because it added in the balance sheet of the company, as part of interproj interprible essets.

because is not only difficult to replicate it but also time continuing for the business to build.

DRAUBACKS: - (Interestant capital)

- . costly to require, because good quality labour takes time to get trained, and one even if the worker is recruited ortermy, they will us I the company in terms of salary.
- · Difficult to calculate, because most of the judgement is subjective, and the struck waters and the management would touch so over value this figure.

# **AS – BUSINESS (9609)**

# (SECTION 4)

Econy Section	Their tical	only	1- calculation
		opi	

1. The nature of operations

Online Classes Megalecture @gmail.com regular policetion in the company Efficiency and Quality: - operations ensures that the testers of production are minimized AS-Level - Business (9609) - SECTION 4 - [Operations and Project Management] TOPIC 1: THE NATURE OF OPERATION 1. INPUTS, OUTPUTS AND THE TRANSFORMALION PROCESS Definition | Operations Management It is concerned with using factors of production to produce goods and services. It deals with various departments efficiency, quality, flexibility etc. The Production Process / The Transformation Process <u>Definition:</u> An activity (process) or group of activities that takes inputs Land, Labor and Capital, and converts them into outputs which consist of goods and services. Inputs (Land, Labor, Outputs (Goods and Production Process Capital, Enterprise) Services) These are Land, Labor and Capital. All of them were discussed in Section 1 except Intellectual Capital (must repeated defination) Intellectual Capital Definition | Intellectual Capital Intellectual capitakis defined as the amount by which the market value of a company exceeds its tangible assets (physical and financial). In other words it is the brains and minds of a firms staff to come up with new ideas and to find solutions to problems and be creative in sectors like advertising and consulting. This is due to the collective knowledge and skills of a company. This includes human capital structural capital and relations capital. 2. EFFECTIVENESS, EFFICIENCY AND PRODUCTIVITY Definition | Effectiveness It is the ability of an operation process to achieve its set objectives and meet customers' needs in a profitable manner. Definition | Efficiency Indescribes a process that uses the lowest amount of inputs to create the greatest amount of outputs Definition | Productivity: It describes how efficiently are inputs converted into outputs. It is the measure of efficiency. This can be calculated in two ways, Labor productivity and Capital Productivity Labor productivity can be enhanced by employing few but skilled labor and capital productivity can be enhanced by deploying technologically advanced machinery. Productivity can be calculated using the following formulas: Q Esplain the importance of transformations process (5) Labor Productivity = -P20: It helps the company Average Number of Worker to combine fectory of productions Capital Productivity =  $\frac{Total \ Output}{Capital \ Employed}$ and produce goods and services

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to greate revenue.

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. This poplains the company which areas need to be madified to impose efficient biss.

decidency to nurhers one the chients

· 11 maps the business to colonate production time

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/	How can productivity	be increased?	
1/5	water and a second contract to the second	Description	١
W. A.	1. Increase numbers	When workers will work more nours they will produce move which will	
Mario O	2. Training bow &	When workers have new skills they produce more in less time and cause less wastage. Control and the cast of the ca	,
	copiles enhanced	less wastage. (anti-	ľ
/	3. Investment in	Machines allow workers to work faster and reduce wastage which will  Improve productivity (2015) This increases the capital allowants of the capital and the c	,
Copied Co	(Celliford)		
entioner	4. Change the way	Lines to project teams - July 10 Mer	
Doth	the work is done	This is done through financial and non-financial rewards. Motivated	
	5. Motivating	This is done inrough infancial and not investigate the same frequency	1
~	employees	This is done through financial and non-financial rewards. Motivated men cut the bearing employees work better are more productive. The potential through the productive of the potential through the country of incident the country of th	
MO: Allow	s the working to be more	investire.	
	TO LABORA	a transfer in	

Definition: Creating value is selling the product for a higher price than it was initially bought in Added value is the difference between selling price of the finished good and cost of bought in materials. The concept of value added in linked is linked to marketing, the operations process and operations decisions in the following ways

and operations decisions in the following ways.

1. Marketing: The impact of promotional strategies can convince consumers to pay more for the

2. Operations Process: The efficiency with which the input resources are combined and managed. Example: Reduction in wastage can lead to valde addition.

3. Operations Decision: An attractive design and high quality can justify high prices by the firm

While deciding what combination of resources to be used tirm can adopt one or a combination of two approaches. The decision depends on the nature of the product, the relative prices of the imports and the size of the firm to afford a particular method. A CHARLE OF A

Definition | Capital Intensive This involves employing more quantity of capitallas compared to labor. This method is more appropriate for industries that choose batch or flow product where the goods need to be produced in bulk and there is some sort of standardization.

goods need to be produced in bulk and me	
goods need to an i	Disadvantages
1 Due to large scale production the company	There is therefore usually a higher break- even output due to high fixed costs.
reduce the per unit cost.	Machinery may become obsolete which will increase the replacement costs.
2. There is generally a better consistency distribution	3. Resistance from labor force since it might
questy and give culimer) questy	create redundancies.
and give	DN314 623

near the lesson con go down AATIK TASNEEM | AS/A-LEVEL: BUSINESS (9609) | 03041122845

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Definition | Labor Intensive: This involves employing more quantity of labor as compared to capital. This method is more appropriate for industries that choose job production like hand made goods and unique products.

Advantages	Disadvantages
1. There is generally better quality if it is not a	1. Production is not fast enough, as compared
fast process which can build the brand	to machinery.
maye I can help read probable after	1-
2. Businesses can benefit from premium	2. Lack of standardization because the
pricing for 'hand crafted' goods. Vecange The	accuracy and quality of work from person to
product as more valued address.	person can vary which leads to decline in
3. Labor costs can be lower if businesses hire	productivity
on temporary contracts. Individuals will not	3) Leson were morne
need to operate specialized machinery.	
MI No contamized starts are his	and should be all where it is

MI No costomized plants are him which reduces the ceptus cost and prevent the business from over toming replacements lists.

Adu is Immedian allows the company develop better products, which connelp to crease product differentition decing to Schoo

(2) Immustive companies there a trigher chance of becaring investments because the they have more ptated and a sign for the long run.

(5) Methods like process innovation allow the broken to reduce costs and improve the customer expension Business that become innovative are more fluite, in one department du to transfer of environment thanges, which increases its chances of survival Eveluations

CON). mostin 11 experso teagr 280 is a large scale expendence with no guernose at recovery the movey. The company requires shilled tohan while is not any motivated to do Sterible to days. This costs the company

privation of man

and show man become onthe

high science which am dixed expendition 3 Innovative involves opportunity cost es the owner might be foring will tunes to the RSD.

, before investing in innovation the expected return should be compared with the investment · The succes depends on what competiting are doing not in the mertect. The compay count Elipsy innovere to gain benefits. The imposetion much be significant enough to aspertum to competition.

· Bullding innovation and therebolishy is part of the streetegre vision of the company

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is only bineficial if the company am sorial the cost for the short me

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## TOPIC 2: OPERATIONS PLANNING

#### 1. OPERATIONS DECISIONS

The following THREE factors influence the operations decisions:

- 1. Marketing They provide the detail on the future demand levels. This helps the operations department adjust their resources according to the demand. This is known as operations planning. This helps reduce costs, reduce wastage and prevents over or underproduction.
- 2. Resources The resources (Land, Labor and Capital will shape the operations decisions). As the business, would want to locate where there is abundant land, good labor available and deicide between labor and capital based on the cost.

[Tested as a separate delivering]

3. Technology - It can influence the decision making in the following ways:

Definition | CAD (Computer Aided Design); This is the use of computer software to design items being designed more quickly and with precision. This is used to design new products and re-style existing products. Example: AutoCAD.

1. Lower development costs read his mediant I Training and expertise to operate the 2. Improved product quality in the action software. Highly defore from the action of the software of the software and rendering. 3. Accuracy and good visualization. Expensive computers and rendering.	Advantages	Pilit.	Disadvantages
3. Accuracy and good visualization Expensive computers and rendering	1. Lower development costs reed by him	Vehan I	raining and expertise to operate the
3. Accuracy and good visualization 2. Expensive computers and rendering	2. Improved product quality in the atom	Hoz soft	ware. Highly delow truming exposes
The state of the second the second through the seco	3 Accuracy and good visualization	10 miles 10 miles	pensive computers and rendering
changes con residence and machines required to run the software	The don't can be shown the model and !	ma	thines required to run the software

Definition | CAM (Computer Aided Manufacturing). This is the use of computers to monitor the production process and control machines or obots on the factory floor. Example: Robots controlling the production of cars in Honda's factory. This helps in the process of automation. CAD and CAM combined are known as CHM (computer integrated manufacturing)

	C. ED and C. E. Comernia	
Γ	Advantages	Disadvantages
T	1. Fast production leading in Eug	1. Cost to install and maintain are high and contract higher
١	2. Quality manufacturing with less wastage	2. Training costs 3. Breakdowns may lead to production failure  [2. Training costs and production lags.]
	Can help generate both mass and customized products when linked with CAD.	3. Breakdowns may lead to production failure
	products when linked with CAD 2 2	leading to high costs and production lags.

production

Lost of repeat copportunity with and with of

[NEW APOSTION] [ESSAYTYPE)

### 2. FLEXIBILITY AND INNOVATION

Definition | Flexibility This the ability of a business to adjust its level of production and modify its products with the changing customer demand. This can be done by adjusting volume, delivery time and product/service specifications, labor force etc.

Definition | Product Innovation: This is developing new products. These can be an updated version of an old product or a completely new product.

[ Comming of with reading to produce product] Definition | Process Innovation: This is regarded as changing current processes or adopting new ways of producing products (e.g. automation/robotics) or delivering services (e.g. improving workflow. Example Amazon using octocopters to deliver its goods

Wh influence (competition): can time the company to stuff its production methods from job to

those production by graphing to capital interest production methods · competition can reduce prices which might force the company to buy

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to maintain profit miguo. 5th - . Finance recovers of the business ca doo interest the operation decision . If the

Compay lucks resources, they will covid implementing methods like CAD & CAM ...

CamScanner

In P-1, its mostly towards short questions. in Ptz , 8-12 merks chay.

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These are ways different goods and services can be produced. They are classified into FOUR Question on Shifting.

1. Job Production

Batch Production

4. Mass Customization

-) there two mostly leshort questing

Definition: This is a production method in which unique, non-standardized goods are made. The products are one-off specifically designed for the customer. Example Tailor made suits, handmade cars etc.

Advantages Able to undertake specialist projects or jobs with high added value home a premium price

Disadvantages Labor cost would be high due to labor being skilled leading to higher wages.

High levels of worker motivation due to tasks being carried out require variety of skills

The process is time consuming. Example the construction of house for which the cost won't berecovered until it is sold.

 Organization of job is simple. Since only. one job is handled at a time it is easier to coordinate and communicate. buenge some a small from youtertakes

Wide range of tools and equipment due a variety of jobs which can prove to be expansive & Pominist for Eas is timited because

production is not done in large quantities

2. Batch Production

which increases the overage wast per und t Definition: It is a technique used in manufacturing in which a group of identical products pass through each stage of the production process. This occurs when items move from one stage of production to the another. Example Gereal made in a factory pens of different colors etc.

until the wire but is completer the Industry

Advantages EOS mon from land hard

six stru lover from from

Flexibility in design. Each batch can be changed to meet customer's needs.

( leads to more special isotion) 3. Employees can concentrate on one operation leading to lower costs due to less need for skilled labor.

Disadvantages 1. Large quantities are produced which allows Workforce might be demotivated by doing repeated asks

The density of an absence for which the control of the control of

fixed capital costs leading to lower profits.

Can lead to production delays since the goods cannot be dispatched until the whole batch is finished.

( Bossen production regulars production to become more epital interestre which can give behow

3. Flow Production

Definition. It is a production method where items are made in a continuously moving process. In flow, large quantities of standardized products are produced and used in case of items that are high in demand. The production can move from stage to stage as soon as they are ready, without, having to wait for other products. Example: Oil refining, water purification, production of coca cola etc.

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..... and rioject management

Expensive cupital and high labor training

costs ead to lower profits

Advantages Disadvantages 1 Large quantities are produced which allow Setup cots are high. The company needs EOS. (Higher than booten & Job) huge investments to fund its operations Ca wayner 2. Due to continuous working of machines it Product is standardized which makes it leads to low labor costs. Mast of the production difficult to meet different customer's needs. intensive, where debour is only of a 7 ( LOST of Deports (2) opportunity cost from 3. Less stock pile of goods since the demand is 3. Breakdowns can prove to be costly. Even if usually high. Clearly to long sturnge custs & one part breaks down the whole production Steble revenues) which can lead to wigher quality system stops 4. Mass Customization <u>Definition</u>: This is <u>producing</u> product on a large scale with the flexibility to produce a number of different models. The company keeps a basic product and allows the customers to change a few key components to customize it to his/her own needs. This is usually done through flexibility in technology and using a multi skilled labor force xample: Apple mass customizes its MacBook's. There is a standard version on which customers can add or remove features like RAM, flash storage etc. based on their own needs. Advantages Disadvantages 1. Large quantities are produced which allow The layover time is one of the biggest EOS. Estas lower the flow production ) problems of Mass Customization. Since it is a custom product it will take longer to reach the 2. The products can have a higher added value consumer. This allows the company to change a premarin price and satisfy a wide variety of customers 2. Another disadvantage would be that needs. customers cannot return a custom product if they are not satisfied because it was created 3. Since the manufacture is just changing a few specifically for them.

maintained. verse for money that the consumers because they features which they before better are valuable to them & remove the ones taken they do not your in Problems of changing from one method to another

(a) This concost and greater product choice to be

key components but keeps the rest of the product the same it will result in a low unit

Nature	Description
1. Job <u>to</u> Batch	<ul> <li>i) Cost incurred by the firm to handle large numbers of goods in batch production.</li> </ul>
Summer	ii) The company needs spend money on hiring and training employees so that they become familiar with handling batch equipment.
63.	iii) Batch production sometimes causes demotivation in employees since the machines would be performing most of the task whereas the employees would only be of a supervisory nature. This results in less emphasis on the craft skills.

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#### i) Capital requirements in flow are much greater than Job or Batch. This 2. Job or Batch to results in more fixed and working capital needed to finance the shift. This Flow move can result in a cash flow problem for the firm ii) The company needs to spend money on hiring and training employees so that they become familiar with handling flow equipment.

4. LOCATION (12 - 20 Merks Esseys) Definition: Selecting the right location to set up a business can really influence the overall success of it. There are several advantages of setting up on the optimal location. Optimal location is the one that has best combination of quantitative and qualitative factors:

- 1. Lower costs: This will help the business achieve a quicker breakeven and increase return to shareholders.
- 2. More customers: This allows the business to be closer to the customers which in return increases sales.
- 3. Avoid trade barriers: This allows the businesses to avoid trade barriers which create a problem

4. Improve Brand name: Businesses that locate in an expensive area may create a premium brand Limage himitation optimum locations allowy break even quilty, the intial cost of pr

The factors to determine location can be divided into TWO categories.

1. Quantitative factors Courses

2. Qualitative factors Copinion bestud)

### 1. Quantitative factors

Definition: These factors can be measured in financial terms and will directly affect costs and

revenues.	
Factor	Description
Site and capital costs	The firm must look into the cost of purchasing and building a site. The cost of building must be compared with the potential revenue that site makes.
2. Labor Cost	Availability of skilled labor at a competitive rate, particularly in the case of labor-intensive industries.
3. Transportation Cost	If the plants are located far away from the factory it would increase the transport cost. Hence the company should prefer to locate near the source of raw material.
4. Sales Revenue Potential	The level of sales can be influenced by the location. For luxury brands like Gucci the location should be in expensive areas since they can add status and image to the product which can increase the value in the eyes of the stakeholders. Furthermore, for convenience stores being close to the customers might be the key factor in success.
5. Government Grants	Areas of the country which are not developed or areas where
· ( government )	government wants to attract investments it offers tax holidays, interest free loans etc. This can help the business increase profitability.

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Note: Along with the quantitative factors have been identified above the business can use THREE techniques to assist location decisions:

1. Profit Estimates: The area with the max profit potential should be chooses. However, profits alone don't tell anything. They must be compared with the costs of buying and developing.

[DI - concept] - 2 meningue 4 - lines 2. Investment Appraisals: These are financial techniques that help a business choose between various capital investments Techniques like pay-back, ARR and NPV can assist in choosing the best option. Lower the payback the better, and higher the ARR and NPV the better. However, it should always be noted if there is an error in the date these results might be wrong

3. Break-even Analysis: This tells the business what level of production must be sold for each site for the revenues to equal total costs. Lower the break even the better the location. However, costs and revenues might not be accurate which lead to misleading decisions.

(4) The Hanger 2. Qualitative factors

of competition

in their wee ! Business went

to doubte in these over-Where the competition is Law so than ise emier to establish the

brand runge

2. Qualitative factors	(ma)	+ lens : The
Definition: These are no	On-measureable factors (A	
	Description.	also considers
	creates pollution	that the growth
2. Infrastructure	The quality of transportation advertising, communication etc. links influence the decision?	mo cor ato.
3. Ethics and	The business also considers effects of stakeholders and environment	
Environmental factors	Example: The company might locate it areas with high unemployment	
	to act ethically standermore the company might also locate it areas	
ā	which have green technology to avoid pollution.	

Advantages and Disadvantages of Locating A	broad even its profitable
Advantages	Disadvantages
Expand Market     Reduction in Costs     To avoid protection in trade barriers	Language and other communication barriers.     Cultural differences     Ethical issues

For evaluative comments

5. SCALE OF OPERATION (3) ~~~ks Definition: It is the maximum output that can be achieved using the available resources. More the resources the greater the potential to increase the scale of operations.

Factors that influence the scale of a business

Factor	Description
1. Owner's Objective	If the aim is to growth then scale of operation would expand.
2. Capital Available	More the capital larger the scale of operations
3. Size of the market	Larger the size of the market, greater the scale of operations
4. Economies of Scale	Higher the EOS larger the production.
4. Economics of Bear	Tright the 200, they test or, the tener it would be

5) Grove town regarding : The more relexant these texts to extr

1. Economies of Scale Definition: These are factors that reduce the average cost as the business grows in size. OR By increasing the scale of production average cost per unit decreases. There are two types of economies of scale

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8

If only coation needs to be declined,

- i) Internal Economies of Scale
- ii) External Economies of Scale

i) Internal Economies of Scale

Definition: These are reduction in average cost that arise from within the business.

	Definition: These are	reduction in average cost that arise from within the basin
	Type	Description
	1. Purchasing	A large firm requires raw material in bulk which encourages suppliers to offer discounts. This reduces the unit cost of each item.
The bainess	2. Marketing	The cost of advertising and distribution rises at a lower rather than increase in output and sales. Furthermore, a large business can afford to purchase its own vehicles and does not depend on other firms.
cast of the	3. Financial	Large business raise finance at a lower cost of borrowing. Banks are willing to give more capital at a lower interest rate and investors
Lower		invest at a cheaper rate. This is because a large business is less risky due to low chances of failure.
way seeked	4. Managerial	Large business hire specialist managers. This skilled workforce helps being efficiency and increase productivity.
refeated .	CARD & LAM	Large business can deploy specialist machinery and effective manufacturing methods like new production. These machines generate high output along with better quality.
This is would	6. Risk-Bearing	These occur when a large firmitends to produce a wide range of products and operate in many locations. The diversity spreads the risk. If one product doesn't work, the company can compensate form
er seed where	7. Research and	the others. Example Unilever has multiple products in in portfolio.  Large firms care spend several millions of dollars in product
	Development	innovation and create products that give them a competitive
		advantage OSKrinvests 36.26 billion on R& Danie
	ii) External Econor	

### ii) External Economies

Definition: External economies of scale occur based on larger changes outside of the firm. External economies of scale are generally described as having an effect on the whole industry.

Type	Description An expending in the second secon
Services	An expanding industry is often assisted by other supporting industries that provide ancillary services such as maintaining an uninterrupted supply of raw material. Example: Leather for footwear industry.
2. Availability of Skilled Labor	Industries are usually concentrated in areas where there is skilled labor.  Example: Sialkot in Pakistan for sports goods
Reputation of Geographical Area	This provides the firm with exposure and publicity. Example: Silicon Valley in California for IT firms
4. Access to Services	Industries in tertiary sector offer commercial services like insurance, transportation, advertising to the industries.

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> Internet

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#### 2. Diseconomies of Scale

<u>Definition</u>: These are factors the increase the average cost as the business grows beyond a certain size. <u>OR</u> By increasing the scale of production average cost per unit increases.

Type	Description
1. POOI	In large business sending and receiving messages becomes a problem
Communication	This results in mistakes and leads to lower efficiency.
2. Clash of Cultures	A merger between the two firms may be unsuccessful due to clash of cultures. Usually in this situation a firm prefers to demerge.
3. New Resources	When a firm expands it needs more capital, land and labor. This results in the overall cost of the firm to increase, which in return increases the average cost.
4. Low Morale	Large businesses are usually structured hierarchically where workers might never see the top managers. This makes the worker feel unimportant which reduces his motivation resulting in low productivity.
5. Slow Decision	A large company would need to do research, create an assembly line, determine which distribution chains to use, plan an advertising
	campaign, etc., before any changes could be made. By this time, the smaller competitors may well have grabbed that market niche.

Note: These DEOS can be reduced or avoided if the organization adopts the following approaches:

- 1. MBO: Will help to keep an objective oriented approach and assist in coordination.
- 2. Decentralization: Helps to remove the workload of all the branches and give control to the managers. This way the senior management can focus on the strategic goals.
- 3. Reduce Diversification: This helps remove wastage and improves the problems of communication and coordination.



New Resources. When the british goes for report expertise

of resources [kind of Lord under CSR].

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## Most ecoson how TOPIC 3: INVENTORY MANAGEMENT

# 1. PURPOSE, COSTS AND BENEFITS OF INVENTORY

Definition | Inventory: The term inventory or stocks refers to the raw material, semi-finished (work-in progress) or finished goods held by a company with the basic objective of maintaining continuity of operations.

5 - K morty EMALLY In P Advantages and Disadvantages of holding inventories

#### Advantages 1. Quicker response time: You are able to easily and quickly fill all customer orders as soon as they come in, without having to worry about waiting on your stock to come in to ship their order out. Customers can be lost if you can't ship an order quickly.

- 2. Decreased risk of shortages: By keeping stock on hand, you are able to guarantee, up to means extra costs, and since you have to about if a product is discontinued. Should there be a shift in the demand for your product you? are more able to meet (or even beat) the competition; you will be more likely to be able to sell your excess inventory at an ideal price.
- 3. Quick replenishment: By keeping excess inventory, you are able to work to make sure that your shelves are always full and that yours store always has a near and udy appearance The Silvey can got purchase EOS which

# Disadvantages

- 1. Opportunity Costs. The working capital is tied up and cannot be used in other business operations. This could have helped the business increase sales, spend the money on R&D etc.
- Storage Costs: Excess inventory means extra space needed for storage Extra space also a certain point, that you will not run out of a stinctude those extra costs in your price, you particular item, and you have less to worry the strught end up losing to competition with other sellers because your price is too high Even if you have your own warehouse, you would still be naving extra costs in maintenance, and you also nisk not having enough space for new
- 3. Risk of inventory becoming obsolete. The value and quality of your product decreases the longer tour keep it on stocks You have to make it a priority to sell some investors while they're new to the market. Smart phones, for example, are updated almost every six months, so you have to sell your stock before new versions a god in dejents from but beging arrive.

holined was in making of - me

# Reserved is techniques that the

1. Buffer Inventory <u>Definition</u>: This is the minimum amount of inventory that a business wants to hold just in case of a problem. These problems can be a delay in delivery, production rates increase. The greater the uncertainty the greater would be the buffer stock levels.

#### 2. Reorder Level

Definition: It is the level of inventory left at which a business needs to place an order so that new inventories arrive before the business goes below its buffer level

and emergen

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#### 3. Lead Time

Definition: Lead time is how long it takes from ordering the supplies from the supplier to them arriving at a business. Higher the time the greater the reorder stock level should be.

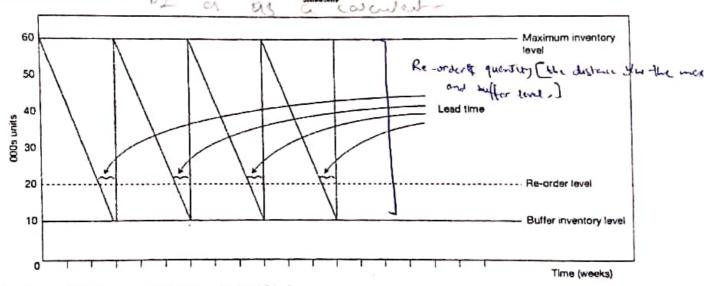
#### 4. Reorder Quantity

Definition: It is the amount ordered each time.

# Interpretation of simple inventory control charts

A typical inventory or stock control chart is depicted in the following figure. Vertical lines represent new deliveries whereas depletion of stocks through usage or sales is shown with the help of sloping lines. The rate of depletion can be gauged from the gradient of the lines: the steeper the gradient, the faster the depletion. The level of buffer inventory, reorder level, lead time, and reorder quantity can also be seen from the diagram.

The stock control chart assists the management in taking and analyzing numerous interrelated decision such as the size of the buffer or the maximum stock level to be held, the size of the batch to be ordered.



#### 3. INVENTORY CONTROL METHODS

There are TWO methods to control inventory:

1. Buffer Inventory - Anglider

1. Buffer Inventory - Anglider

2. Just in Time (JIT) if the Oir, asks the pros de cons it suffer investing control system

#### 1. Buffer Inventory

<u>Definition</u>: This type of inventory control method believes in keeping reserves. The following factors influence the level of inventory a business holds:

- Rate at which the stocks are generally used
- 2. Warehouse Space
- 3. Nature of the Product
- Supplier lead time

Essey popular in P2 defination in P-1

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2. Just in Time (JIT)

Definition It is a Japanese inventory control system that emphasizes low stock levels. It suggests that materials should be ordered or purchases only when it is urgently needed, as opposed to AT They holes the buying in bulk or in excess of immediate requirements. HT producted occurs when how beined to my my halle produce products to order Firms only produce when they know they can sell the product

Advantages

Disadvantages

- 1. It gives the firm a lot of flexibility. Firms produce what is required, when it is required.
- 2. JIT production also reduces costs as with no inventories the firm does not have to pay for warehousing or security. This also helps the firm avoid the opportunity cost of having money tied up in inventories.
- 3. JIT also helps to minimize wastage. If the goods are produced and left to accumulate they processed. Furthermore, several expensive IT are likely to get damaged, depreciate, stolen or systems need to be deployed to make it go out of fashion. This makes JIT part of the pretative. lean approach.
- JIT leads to improvement in management of funds and cash flow since investment in working capital is reduced and the funds are not tied up.

- 1 JIT relies on suppliers providing parts and components at exactly the time they are needed. If this type of flexibility and reliability is not available the system is likely to breakdown Even if the supplier fails to deliver on time the business has no buffer inventory which might cause production delays
- Order administrative cost will increase because of several small orders need to be
- 3. The business might lose the chance to gain purchasing economies of scale and increased transpuration cost might lead to higher per unit cost. This will increase the per unit cost of production which will lead to lower profits
- Labor needs to be efficient and trained for JIT to be successful. This adds up to the cost Eurthermore, workers generally resist change and it they are working with butlet inventory before it would be hard and nine consuming before they make the shift

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Evaluation: JIT has its pros and cons and in order for it to be effective the company needs good human resource. Several organizations are benefiting from JIT and it helps in the organization move towards lean production however, it should be noted that it cannot be used by small firms because of high capital costs. Furthermore, the production delays and raising prices of transport costs might make it ineffective Evaluation, Appear on the relativestry of the

In addition to that the success of JIT depends on: Sagrice.

- i) Investment in machinery
- ii) Training employees
- iii) Negotiations with employees on contracts Los

Continuen [ fred time ] :- acrest ITI is beneficial but iv) Building relationships with employers gentle very be used for these product which have a quested dement buffering mental contra lythen ; more wateries