| | Page. |
|---|--|
| | Just-5) Inventory Management Inventory a stock on store of goods A — independent demand |
| | Unit-5) Inventory Managements |
| | Swentsey a stock of sindebendent demand |
| | |
| | 6 le to dependent clemand |
| 2 | 13 clemand |
| | |
| | |
| | Independent domand & uncertain while |
| | dependent demand is contain |
| | |
| | Inventory Models |
| | · Independent domand - finished goods, items |
| | greader for sale. Eg computer |
| | Debendent clemand - components of finished |
| | oceader for sale. Eg-computer Dependent clemand - components of finished goods. Eg - pook that make up computer. |
| | |
| | Types of swentoeies |
| | · Raw material I perchased ports |
| | · Pacitially completed goods (words-in-progress) |
| | - firished goods inventories |
| | « Replacement parts, tools & supplies |
| | · Goede in teansit to warelouse or customal |
| | |
| | Functions of Enventory |
| | - to meet anticipated demand |
| | · to smooth peroduction orequirements |
| | · to descriple operations |
| | · to protect against stock- outs. |
| | · to take advantage of order cycles |
| | · to helphodge against poice increases |
| | Jo May Const. |

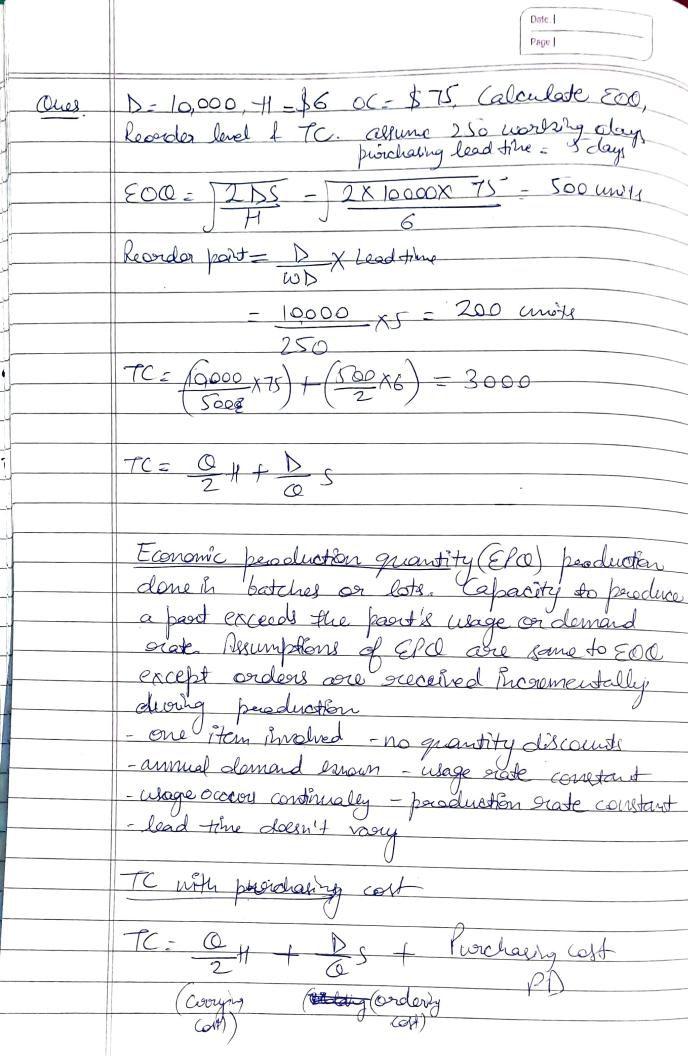
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| Oate Pape |
|---|
| · to permit operations |
| · to permit operations. · to take advantage of quantity discounts. |
| Objectives of Incent voy control |
| · to achieve satisfactory levels of customer |
| source unite breeping inventory costs within |
| reasonable bounds. |
| level of customor service |
| - cost of ordering & carrying inventory. |
| Inentocia tromores - Be the beatio of average |
| cost of goods sold to average inventory |
| Sivestment. |
| |
| Effective Enventoeig management |
| · a system to touch Envertoup |
| · a relable forecast of demand |
| · sanowledge of lead times |
| · reasonable estimates of holding cost, ordaving |
| cost and shortage cost |
| o reasonable estimates of holding cost, ordoring cost and shortage cost · a classification system |
| Inventory country systems |
| · Periodio system- physical count of items made at |
| · Periodio system physical court of items made at |
| - Perpetual Errentouy system |
| - a septem that breeps tocache of occurrate |
| from inventory continuously |
| Itus, monitoring contract |
| levels of each item. |
| · Two tien seption two containers of hiertray; |

reorder when first is empty

| | Page. |
|-------------|---|
| | |
| | · Universal bar code - perinted on a label |
| | that has enformation about process concer |
| | its attached |
| | |
| | Key Incropay terms |
| | and sieceiving the order |
| | · Heldson (Congruss of Cost - cost to carry an item |
| | Is Exerteen for a length of three usually |
| | - Holding (Carrough of cost - cost to carroug an item In Enventory for a length of three usually a year |
| | - Ordering cost - andering l. receiling Encutory - Shortage cost - when demand exceeds supply |
| | · Shortage cost when demand exceeds supply |
| | |
| - | |
| | |
| Juneis | Trocus . |
| l en | |
| | |
| Sa | lety & toucing there RO 12 |
| Sto | cla Lical- |
| | the - |
| | |
| Always | ABC classification system classify smentory |
| Red Control | according to some measure of importance |
| Const | I allocating control efforts accordingly |
| | A- Voy mp. B- moderate mp. C- least Trup. |
| | that A |
| | Selection Inventory |
| | C Control |
| | Low / of item tigh |

| Onte Page |
|---|
| Cycle counting a physical count of items in inventory Cycle counting management: - how much according is needed? |
| - how much accionacy is needed? - when should cycle counting be performed? - who should do FIZ |
| Seze that minimizes total annual cost. |
| Economic perduction model & Quantity |
| descount model |
| Alsumptions - only one peroduct knowled |
| - annual demand ocquièrements esnoun |
| - demand even thoroughout the year |
| - lead time doesn't vouis - no montity discounts - each order is succeived in a single delivery |
| - C. W. L. bed |
| Cost missimization goal Annut cost Cost missimization goal |
| EOO = 2 X AX O |
| A = annual providese oregréciement |
| 0 = ordering cost |
| C- Castriging cost |
| Dering EOQ |
| append 2155 (Annual demand X Order setup ald) H (holding and) |
| Total cold - X + D s + Q +1 OR |
| TC - Annual prowhase cold of Annual orderly, and of |
| |



| | Onta 1 | |
|---|--------|--------------------------------------|
| | F 1711 | ameline, or , make a system plan and |
| Reorder point when quantity on drops to this amounty Hem is one | hand | d Hem |
| dools to this amounts Herry is see | cordos | iod |
| Safety stocks held in excess of expedients vaouable demand scale | ectal | slemand |
| due to variable demand scate o | orland | load time |
| Service level probability that der | nand | usel not |
| Sourice level probability that der exceed supply dwing lead time | | |
| Detornienants of suconder point | | |

- State of domand - lead thre - stocker sichs
- demand flead thre variability (safety stocks)

| Recorden ja | ± Ro | if based or | anormal | distribution of |
|-------------|-------------|-------------|-------------|-----------------|
| 5 | level | عنايا | nof stocker | elevant |
| I ho | bebility of | | | |
| Explosed | Rep | 0 | | • |
| denos | (Bolehy) | | | |
| | star 2 | Ž A | | |
| | | > Scale | | |

fixed internals. Supplied might encourage fixed Internals. Hay negride only periodic charles of Superiodic levels of Superiodic levels of Superiodic levels. Benefits - tight control on suvertony level, maybe practical when suvertonics can't be monitored, items some supplier may yield saving in ordered, bearing, backage, shopping cost, because sufety stocks, increases carrying cost, a larger sufety stocks, increases carrying cost, and of provided raction.