عن

	classmate
	Date Page
	ONIT-1
	DEMAND ANALYSIS
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0	in Meaning of Demand
	Control of the second of
	Deside + Abellty + wellingness
mai-	is of improved to pay to pay
byo	(22)
130}	= Demand
(2)	Types of Demand
	Individual Market
	erre individual all eustomens
	mer entranspolities con character
3	Demand for from & Industry
1.5	Fight & Fight & molustry
	Demand for from: quantity of
-	me per coluct
-	Demand food industry. sum of
	Demand of products of all
	froms mi industry

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Intranse former



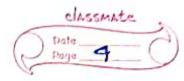
and Derived demand **3** Latonomous national arises brom demand dessore foor other commodities [parent personat] 535-470 2500 TO 1995 F 1451151 Demand for Demand for Land food fertelizers, and parent againeltural took derwed (3) Duerable and non- aurable good total withlity I requent not exhaustable changes m short sum shoot- teem and hong - been semand short term demand demand Law of Demand JOHNSON THE RE other thengs sumaining constants, porece & 1

quantity demanded

Demand schedule (8) In a franchis Numerical tabulation Quantity demand @ different perices Maries Deregn adres & Ches Individual market & income a poucces of sum of all 15.2 C. W. W. De. related goods Enderedual sepectations glemand taste 91 4.0 = 9 Assumptions of Demand Analysis 9 no change in taste & preference & smoome of austomer is constant to no change in customs, habet, quality of goods. no change in substitute powducts, substitute products and product price B

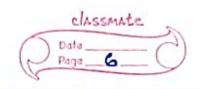
to no complementary goods

ولار التالة الاسم



(le)	Demand Function
	Individual Demand Function:
	9 dx = & (Pro yo Pro Pro Pro To Engle)
4300	9 dx = f (Px, y, P1, Pq,, Pm1, To Eyste)
	Market Demand Function:
	9dz = & (Px, Y, P1, P2,, Pn-1, 7, Ey, 5,
	(1, 9)
	P >> population
5	D -> destarbution of corsumery
	Some some
	None Company of the C
(11)	Demarad Analyses py
	P = 01 + 69
	dp <0 => b<0
	49
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	verly and Equi-Marginal utillety
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اللمولي	to mome effect
	A sulastifution effort
	a Different uses
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	Factosis determining demand
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	General Additional market
	* pouce Factors pernama
ST P	* taste expectation & population
	& preference of future & social,
9.8	A income persee economia
	& pouce of A meame demographie
	related disterbution
	goods of consumers
V1. 14	Littlean Light Moreign to the public
(2)	Exceptions to how of Demand
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	Inforcasi >> partoe 1 demand 1
	hegher price > better
	on shear price -> warren
	Expectation 7 poile changes in future
	piece letely to 1 => loty news
	(13 N () 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	# Ignosiance
	commode sies than commodities



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3 7 B		chegh		-0		

change on fashoon and tastes and preferences

follows the trend => even if power is shooph

Buy what forends, neighbours

3 Expansion and contraction of Demand

expansion

40 resultation

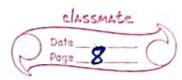
(4) Shift in Demand everyes

\$ 10.9 longers: increases shift oright

mfortog good a mcome

(5) Elasticity of Derenand measure of siesponsiveness tone 26- 00 = 2 C = -9 Porice Elasticety: (10) Measures how much quantly demanded supponds to a change in partie portoe elasticity 90 change in 9 though always -ve, we report it as +ve calculating % % change = final-initial x 100% Instral & final may change A->R 7 midpoint method % change = final - inettal × 100%

now initial / final down't matter



	Types of pare Elasticity of Demand
(a)	Parifectly Inelastic Domand e=0 400=0 Q=constant
	e=0 40 0 0 g= constant
	% P
James	Quantoty Demanded
	Quantity Demanded
COD	Inelastic Demand
4	0<0<1 %P
*	
T + 1	Islope / Islope / Islope / I
€3	
(2)	unitary thastic demand
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, , ,	90Q=1/2P (810pe 21)
9 z-4	youth we don't I don't the
(d)	
Coly	e>1 (slope1>1
	1 Stoper 1
	-9.927 %P
\$ 7 h	PA
Cc	
-	
	e soo %P = constant

	Determinant of purce Elastrorty of
	Demand:
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	Inelastic Elastic
	* necessity * sluxury
	A short time & longer time
	smaller close & larger close
	substitutes substitutes
	them.
(17)	Flastectly and Total Revenue
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	January B
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	ou ce eved day sellars.
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	Aorea under por curve."
	3-2-3 - 420
	- 1 90 phamae In O > % chamae In P
	Eg: e71 %ehange In Q>%change In P
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	found demond from they be
	J
	so revenue falls J.
	[similar analysis done]
- 1	1. P. My mit 9.

(3)	Income Elasticity of Demand	
	In come Elasticity o/o change in q	
	of Domand = % change in I	
	product of setting to	
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300	elected to the state of	
(9)	Mostmal Infertos	
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	coffee domand 1 Demand softwage.	1

(15)

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2

Paromoteonal Elasticity of Demand. CAdvoitesement elasticity)

elasticity of = % change in Q

demand photosement

advertisement

expensioner

DEMAND FORECASTENG

Fo. orecas ting

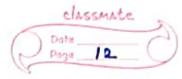
use past demand infoormation =>

very i's foorecasting impositant?

Demand => uncertain

& strateges planning

& markettnog and episations



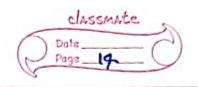
General characteristics 3 A Acqueacy - groups / families > shouter time persody source estimate calculated demand & better classification of semand Fosiecasts 4 Active vs passive. changes leke no change on preduct quality, size, nure-gras es june-trooks 1 year mere than I year company us andustary

[from spease]

paroducts of paroducts of all certain from froms in inclustry

ownable vs pour shable durable perchable mal goods in the goods Pattern + mention Micro-Level Vs Margo-Lævel The sale of the sa company ou economic envisionment moustory becomes condition Podecasting m the country as a whole steps in Demand Foorecasting 3 of elegective nature of of elements > ehotee of _____ Analysis method ____ key isgues in foorecasting 6 History is not a perfect predictor of the future -> past poreducts the feture is not always tome

with the thing



at past demand data?

pattern + vacuation

resends seasonality voyalical

Autocorrelation / Random valoation

Types of Foorecasting Methods

Qualitative Methods Quantitative methods

forom expert (3). techniques

quall tative methods:

(a) consumer's opinion survey

cencus : limited day cons

earnele survey: darge no. of buyers

purposite grandom sampling

Limitateons : A customen epinten surveys are not perfectly relable expensive and times taking Expert opinion method (belphi method) (6) L'10.50 Debuto Jetulo Experts! opinion tuken! Anonimity views Ell fram E conveys

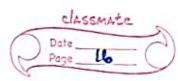
centinued till a common lone of thinking emerges.

(3) collective opinion sugney (salos force oblistaes entired method STAN TO SEAL OF THE

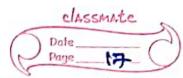
to chostido of sales team taken

Less expensive, but moore occleable

Limitations. : & septic salesman underestimates



	Page
	End-use method: motor-smil
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	Demand for semand for final goods
SINIS B	final goods intermediate goods
8	prok forecasting model
	de data availaboility
	tone cherezon for forecast
	& accuracy
	& Sesousias
0	
(1)	Time scarce: Moving average
	use last to predict demand
	Use last t => predict demand porceds => Q ++1
T.C. 0	simple welghted
	- a read - ama will a Connock and a -
	simple linear combination
المدرادوس	@ (2) of past demands
ر در ار و تنبرا	simple moving Average
	F++1 = Ab + Ab-1 + Ab-n
- 3' - 0.	the state of the s
	4



	Page 17
weighted Moving Averag	
Ft+1 = wt At + evt 1	A_{-1 + +
cot + cot-1 + + co	7-n = 1
w→ impositance geven	to each place
Importance of wMA	
do recent, cuithouse to choose weight	4
& known slavenality	3= [1)_OF4
Torend sufficient past	data available
dinear regoression	-love to data
* explaining change	
dependent = a+	b × incependent

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(i)

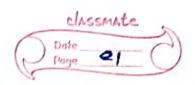
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	[scased, forecast]	C LOE MO	0
	foreast	62 1.25 MA	<i>y</i>
		e noomal	m)
	LA -> actual	ou sterebutto	
	F -> Porecasted		



culteria foor good blemand (3) Aboreea sting time fourne pattern of data cost of economy of forecasting A accuracy destroyed availability of data planschockety/ease of emderstanders durabulety" flescolle ty SUPPLY of supply 0 of good Lother things constant supply schedule orelationship between perce of good be quantity supplied [7]



3 Indevidual us Market supply one seller sum of supplies of all sellers in the market Determinant of supply pouce. cost of production, moluding inputs cloke labour, capital and technology & parces of related pouldict Exceptions to the daw of supply (5) pouce well bource fall pouce well elear off stock fuether fall => by seeling it at market pulse sellers in need of cash. cash => price below the market parce



fignes want may sell below from the shut down average cost of from the shut down

natural & seasonal factors

Backward sloping supply our ve of labour Higher wage trate.

reduce work b. MAN Incleasing war

change in supply us change in _Quantity supplied.

6

change on porpose => change in quantity
(no veneral along the curve)

change on costs, input pouces,

technology, parces of delated goods

hange in supply

Coheft of online)

Market Equelolarium (7) interaction 1/w dougers and sellers Equilolelum quantity, demanded quante by = to no tendency for market proce to sharge Q0 **(** Market Dis equalibria

excess demont

Pt tel estin

The cleases in Demand & Supply

Higher demand -> & higher Ep

Sower demand -> devere

Higher supply -> & lever Ep

Lieves supply - & severse

Decreases in Demand & supply

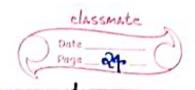
Nachal Mal

. 5-3

· 6 + 1 1 1 1 1 1 1 1 1 1

2 Level Jack Comment

11. 5 (, pe) 11.3



THEORY OF PRODUCTION

Theory of Production

Poroduction: perocess, creates 1 adds

[Land, Labour, [soap, emint eapstal, car, ete]

Peroduction Function

Q = f (Land, Labour, capital,

organization, Technology)

etc.

3 Factors of peroduction

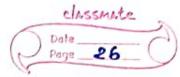
* Land.: surface, moneral, our,

* capital: mental 1 physecal effect

to organization: Entrepreneur/
coordinator of all factors

Inputs: Fixed us 0 voorcable PIXED GARIAGLE & same in & factoas of shoat percod peroduction vary & same amount @ acc. to output any output devel volume 35,52114 froied cost & variable cost nesuntale et l'apparent : 1 nesett In long Jun, Broced inputs become variable) 3 various concepts of Production Total Product: Total quantity of output TO GO Product Average Product: unity of variable Factor Input Maginal Product: change in output change in mout

220 1-11 Not



6 Laws of Poroduction Function Law of variable proposition (a) [shoot own production function shoot own powducton function with at bast one input variable is vallable stage I: Incleasing Retwon Stage III: Dimnishing Return stage 2 stage 3 stage 1 [varloy stogs on law of varrable Reveronteon



Rational Fram: stage 2

stage 1: MP > AP -> movered on pufferet->

soncrease on output on greater propertion

underutalization of foxed capacity.

Stage 3: MP TO -> more labour, regardie effect -> total output elecreases More ryputs -> lesser outputs

stage e: MP<AP -> mclease in input->

Law of settern to scales: Long Run

peroduction Function

and propositionate changes on output and propositionate changes on all factors of production.

increasing

@ constant

3 donneshong

CD

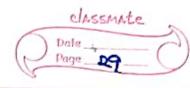
Homogeneous production Function.

All mpits - air meleased in the same peroposition to change the outputs

9 = & CL,K).

Bullion to the state of the state of

Service of the servic



COSTS OF PRODUCT #ON

0

3

Jan.

0

different costs a form incurs while preducing a good / servece.

Total Revenue

Somount received for sale of output.

Total east

market value of inputs.

Profits

of Colonia - or All Colonia

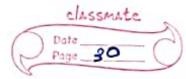
Explicit and Implicit costs

of money (Ic)

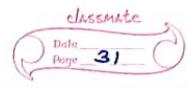
Economic us Accounting

TR = TC = TR - (EC + IC) = TR - EC

EP < APS



3 Fixed costs us variable costs do not vary with quantity quantity of output of emport produced preduced 8 Internal costs us External costs olfaect monettsed economic concept costs of uncompensated 1000 - social /envisionmental of fuel of car effects production - muternal cost are pollution -> external cost private costs us so cral cost (7) mellordial specific powde externaleties Neg attue us 8 positive Externality eg: all pollution eg: education, health forom motor m motor labour training m figures



Fixed and variable costs

T -> Total. A -> Average

T-> Total. A-> Average

TC = TFC + TUC TC = TFC + TUC Q = Q + Q ATC = AFC + AUC

marginal cost

Increase in total wast aresing
from one extern unit of production

 $Mc = \Delta Tc$ ΔQ

(1)

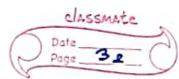
cost curves and their shapes

(\$)

min Ae: efficient scale of farm

output

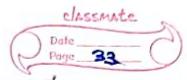
@ low outputs → low Ac > snowad only over few wright



	(rags -)
(2)	asho out own oosts of
	G some costs are foxed
	Long oum waster (ix)
	is all fixed costs become
	variable cests
	cest curves DIFFER sheet run
	cost angres cost ourses
445	Long Ram Average cost Measures the long own cost of
	Producing one unet of output.
	LRAC = LRTC 0 -> output
	cost per SRATCI
	unit 23 + 5 LRAC
25.0	-32 3 17- 7 2 mm
mal !	output pley
	dischoo period

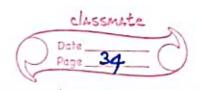
Highwa

thac -> minimum average vost of power devel of output when all inputs are available.



Economies and Diseconomies of scale (3) Economies of scale A. LRAC falls as quantity of o/p moreases Diseconomies of scale B LRAC suses as quantely of o/p increases \$ constant greturns to scale dRAC stays same as of mareaseg ec. const. Z.V Return to scale a) dec cost P) must cost c) ye cost

ine returns const leture de lotur



OBJECTIVES OF PIRM AND
PRICE DETERMINATION

O Profit Maximization & Sales
Maximization

chaptest net chaptest

encome sevenue

[neeferred]

why sales maximization?

2

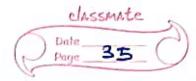
& salaries & perks are based on salar (to manager)

A bettle payment (to staff)

sale 1 prestige of managers 1° but large profit -> owners/ share holders

managers porefer steady level of profet -> not maximum difficult to mountain profits.

sales & managery power ? managers wish to avoid resky mentures > femplecetly means profits



Types of Market Storucture 3 perfect competition & monopoly monopolistic competition A eligopoly competetion 0 Determinant of market stoucture & freedom of entry and exit & homegeneous / differentiated & central over supply (output continue oule parece (5) characteristics of perfect competition A merry buyers and seller homogenous percolucts # free entry / exit of froms selles have to accept market piece A respect repairmenton available to

eg: foseign exchange markets
ager cultural markets
stock markets

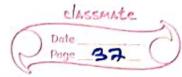
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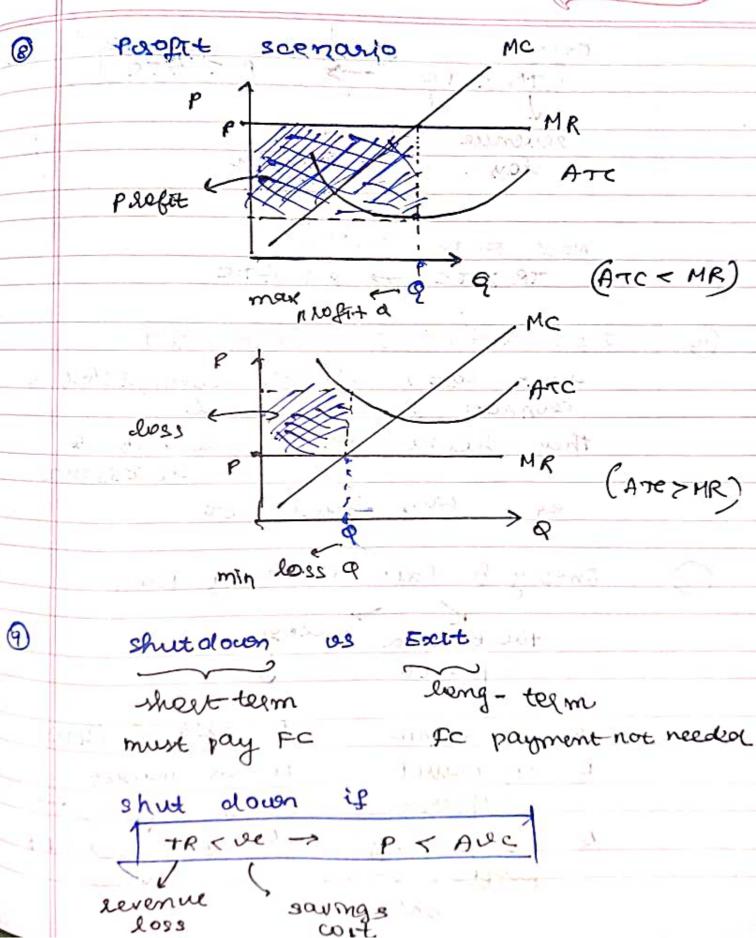
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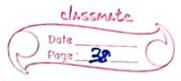
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		B	Page 36
6	Revenue of a competete	وي د	tauro
	TR = PxQ	1 3	
	AD - TR -	1	
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	MR = ATR	A	
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(#)	Porofit maximization		
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		MC	
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		MR	
		34.	
641		16.4	
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	I STATE OF THE STA		
	@ Q': MR-MR, males	use q	to mc. page
	@ q", MC>MR, deal	ase o	to me. paget
	@ Q: max reafit mc	- MP	
	2 100 - 100 - 100 C	200	
	arry charge dec	weses	herolog

Mc curve = from's supply curve







reit if

TR < TC -> P < ATC

Revenue > cost

loss savings in

botal

New Firm entary

TR > TC -> p > ATC

SHE >

JosePewence of sumk cost

Junk cost; already committed &
comnot be seconesal.

They should be esselvant to
allessions.

eg: Fo., fraud cost

Entory & Exet in Long Run

tre evonome closs

to new froms to exit of firms

to sex market

supply -> supply -
to PI reducing

profits, slowing

enter

zero- Parofit eonaletian **@** dong our coulterium wast out the se zelo economie profit: P = ATC. P.C. MR = MC P = MC = ATC

@ mm ATC I was the stilling P = min ATC In long Jun ushy Do Fishms stay in cousiness

19 P=09

EP= TC-(20) (13) Telo profit equilibrium & earn enough to comer costs LR Market supply curve one frem market



B why it might slope upward?

IR supply curve is herizontal if

all froms have identical cost

a costs do not change as other

Asms enter/exit the market.

else IR overle slepes upward

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