

- Value of goods produced by producers of 1000/
Then where is the profit?

Profit is already incurred in factor cost

Why did we incurred it in factor cost)

To make it equal to factor income and maintain balance.

consumer goods of demand by consumers to be consumed.

producer goods of kept by the producers for further studies and

(investment goods) septimation.

G>T in India since independence. (Deficit Budget)

governments expenditure is more than total tax income

where did this money come from?

from sources such as banks, RBI, would bank or other wantsies.

Scanned by CamScanner

-K Y is always equal to C+S+T clemand for foreign goods (impost) 1000 800 100 100 Y= (+ I + G Identity. Lytus is equilibrium Quellibrium S+T = I + G -> the conclution needs to be Satisfied for equilibrium. Modification foreign goods (mport) Y= C+I+ G+ (X-M) original equillibrium equation including all the factors. y & CII+G - 18 01+ I+ G a brosbergh AD1 aggregate demand. AS1 aggregate supply.

consume is a function of income

but according Keynes.

Bojer bes

- 1) Marginal Properaty to consume (MPC) is a constant
- E) OZMPCZI
- in) Average propensity to consume (APC) is "O" at zero level of income and then it declines but will bemain above MPC

the consumption tone this must be constant for the constant to given set of (assumption prelated)

AC = Slope of consumption AY = Slope of consumption

(MPC is a metric that quantifies induced consumption)

a given set of the data (Ist property) 50 y 0 40 80 120 c 20 50 80 110 140

induced consumption 5 -20 -10 0 10 20

(Assavings) () managing continuing of part savings.

- MPC is constant for a small period of time only. On the long run

the consumption pattern texps changing.

Hence we don't get two / three values of is and honce we always get a linear function.

Presides . Extracting

The long oun chan equal to by.

- wealth is a stock

here not

income is a flow

necessarily wistorm sellit

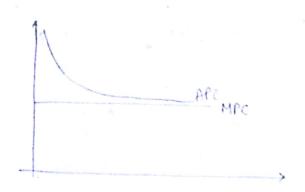
immediately but Can be used in large

ape + total consum prior

average proposity to consume

- observe how APC is declining from a to in the eq.

APC = a+by = traction of income consumed.



APC declines with increase in income.

thence it can be said that the faction of income consumed declines with increase in income.

MPC+ MPS=1 equal to MPC.

APC + APS = 1.

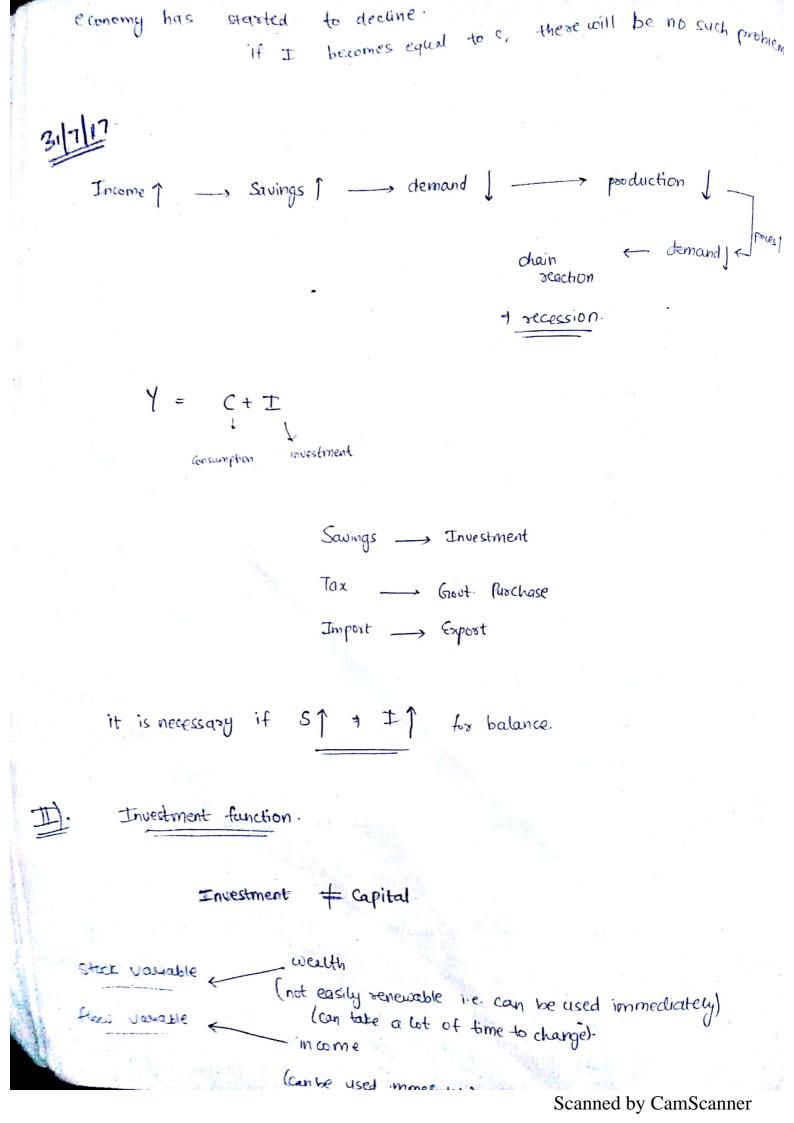
average propersity to save.

He if APC 1 1 APST He invensement and savings increase.

this means prespendes economy is bound to face recession time and time again.

as the income () savings (and unless this saving is invested into production. The demands will decline and thus the production further decline and this cycle will lead to depression.

A marchana has reached a limit of prosperity and has a sice income, its

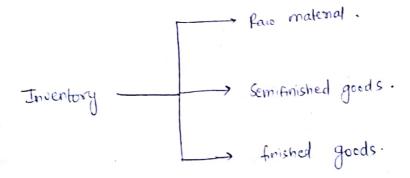


The factor of the state of the It? * It 8 - (1) deprevation \$ 50 crose - for 500 rooms So core 1 It 8 200 noms decapicitated net 3001 noms = 30 (more = It It 8 > 2 3 economy ? or It may I a compreyement if may happen that \$\frac{1}{48}>0 but \$\frac{1}{4}<0\$ 4 Hence It is always toe. In on be -ue It 8 >0 a employement 1. It 70 & economy 1 lemployment 1. 70 / If <0 + employment 1 but economy 1.

Types of Investment

- Business fixed investment -> largest share of investment
- Residential 2) investment
- Inventory investment 3).

- inventory investment is a stock piling activity. This is an einvestment only made when the first two kinds of investment are done.



7/8/17

Investment Function

- annual rate of seturn over the capital invested.
- -> MEC is that discount rate which equalises the present value of the prospective yield. with the initial amount of capital invested.

prospective yield - annual actum or accuence through various sources

Life of project = 5 years

ovest ment = 1000 cms. date = 2017

promet Rie R₂: R₃ R₄ R₅

2018 19 20 21 22

[300 400 500 600 700] Revenue not

our investment? No.

Take a reference year.

Equalize all money value to that of the reference year and then compare.

- We can be assured that the thet sevenue when brought down to 2017's value will be lesser than that of face values. This is because of a thing called finne value of money! These three things play an improver (i) inflation

(ii) sist

(in) intrest

- intest = { I new usine = (PV) (1+r)

after lyens J Sintest factor

present value (combet. if x 100)

after two years = (PU) (1+x) (1+x) = (PU)(1+x)

after n years = (pu) (1+r)

(compound interest)

- inflation -> money value decreases over time.

It is better to buy today.

- deflation -> money value increases over time.

It is better to buy later.

-if interest $\rightarrow 10^{\circ}/.$ and inflation = 5./.

Then real interest rate = $10-5=5^{\circ}/.$ Bellu to use real interest rate than nominal interest rate.

- Risk is calculated by international agencies. Factors include ease, doing business etc.

we can use Risk adjusted in flation adjusted sate of interest.

for the psevious eg

$$\frac{R_1}{(1+i)} + \frac{R_2}{(1+i)^2} + \frac{R_5}{(1+i)^5} - \frac{C_0}{J} = 0.$$

aske took 2017 as

CONTRACTOR CONTRACTOR

i = seturn on investment (MEC) V = cost of raising Capital (pist adjusted inflation adjusted rate of interest)hence $I = \int (i,r)$.

- Y= (+I

$$C=f(Y)$$
 $I=f(i,s)$
 $S=f(Y)$

equillibrium 4 S=I

but both don't have same pasameters = problem.

Explain voly different states have different levels of industrialisation through investment function.

The changes state by state due to non uniform infrastructure, facilities, case of bysiness etc.

There different states have different levels of industrialisation.

10/8/17

Equillibrium Income +
$$Y=C+S$$
 — Equillibrium
$$S=I$$
 — equillibrium
$$Y=C+I$$
 — do

5 = -20 + /44 C=20+3y J= 20 T=20 Y= C+ I= 40+3/4 Y 40= /4 y 14 4 = 40 6=160 1= 160 (estimated= Ye) (actual = Ya) let 1/4= 200 (= 20+ 3 (200) 5- -20 +1 (200) = 170 = 30 Y+ C+I I= 20 I=20 95 200+190 Hence not in egm Mencendin eg

- planned inventory investment + making goods more than demand voluntary

Egt Maruti - 100000tau

7 manut knew

demand - 90000 caus 10000 - inventory

unplanted inventory investment

Masuh good aus 7 mounts did not thew domaind 80000 Cars

10000 - waste types

1 = 190 -> after the producers come to know the demand was term (itesty process) 18 C= 50+ 3 (180) = 20+ 4倍 147.5 = 167.5 Y= C+I =>180= 167.5+20= 187.5 supply > demand - recession (intome decreasing over time) (uplanned increase in inventory) if Y 11 = 120 C= 20+ 3(120) = 110 I=20: YA + CHI -> demand > sapply conomic boom (income staits)

[unplanned decrease in inventory) egm 4=160 fluis shouldn't be stagnout Year should 1 as population and also Romanic growth! A AT= AC + AI for equillibrium

for an economy to correct secession, it is necessary to increase autonomous investment which will increase income by multiplied times increased investment.

autonomous investment $\Delta \pm \frac{\Delta \pm}{\Delta y}$.

the change should be in 9, -> 9,1

Inew = 91 + 614

this dange is done by Government.

- most of the government facing decessions are market driven economies ... an economy without government interference.

agree downed agree supply-

ÂD < ÂS

MEC | Private produces fall back

ression

government invests.

$$I = (a) + (bY)$$

induced investment

autonomous

in times of occassion + by decocases

a must increase (gout intervention)

-) this reads to increase in y which brings book the equin.

according to reynes

2001- 12 = C2 + I2) this change is only due to automobis investment by gout.

$$\Delta Y (18 - b) = \Delta I$$

$$\Delta Y = \frac{1}{\Delta I} = \frac{\Delta I}{\Delta I}.$$

marginal propers ty to consume (E (O,1))

lead to change in Ay by KART multiplying factor

KME 4.

AY = 40

Ademand = 10.

by all three demands.

Here There can be one many multipliers as the number of demand

, only to one demand function has definite slope k=1 1-b.

other two are enogencus

$$Eg \left\{ \begin{array}{l} C = a + b y \\ \pm = q_1 \\ G = a_2 \end{array} \right\}$$

if we take all three slope coefficients

1-e- non 2000 slape coeff.

C= Q+b4

I = 9, +6, 4

G=02+624.

then $k = \frac{1}{61 - b_1 - b_2}$

 $\Delta Y = K \Delta I$

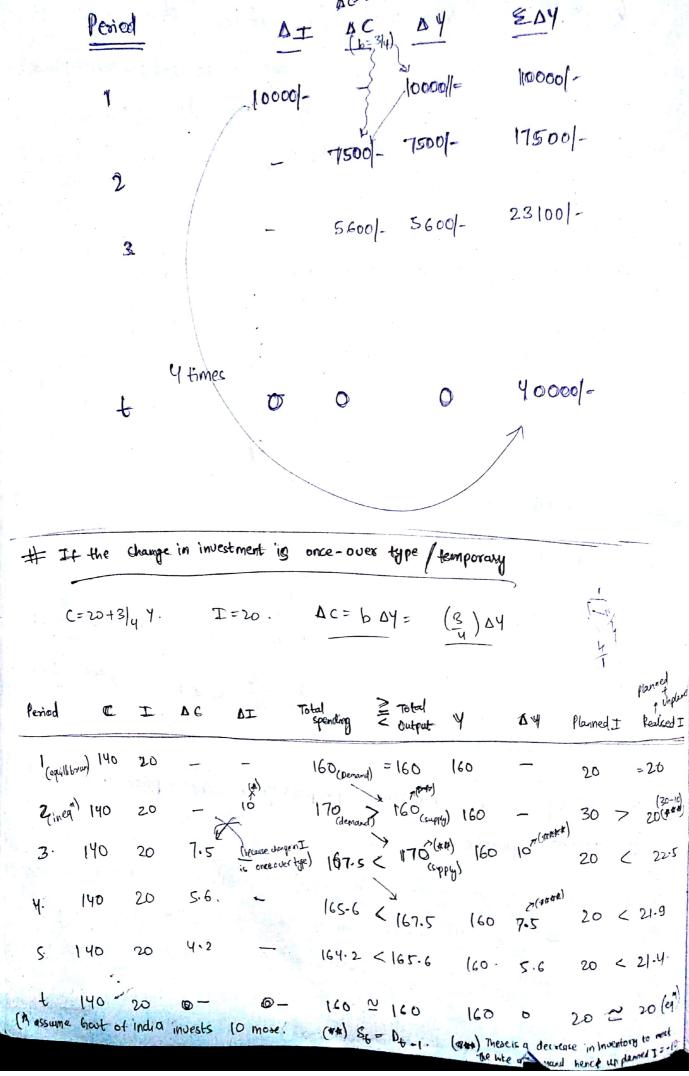
and < 26 < 0.1

DY=KDDa

hence k depends upon marginal propensity of consumption/investment/ government purchase

- in case of a crisis, government can appeal its people to increase consumption as it is not feasible. Hence the on keynes suggests that it is the good only that should interfere and invest (autonomous investment) which is independent of afficience aid offer factors. Good should invest in public until its equipment of foods interstivitie)

Scanned by CamScanner



Scanned by CamScanner

1.0.
$$10 + 7.5 + 5.6 + \cdots$$
 or times
= $10 \left(1 + \left(\frac{3}{4}\right) + \left(\frac{3}{4}\right)^2 + \cdots + \left(\frac{3}{4}\right)^{10}\right)$

If the change in investment is permanent/confinuous-

# 1-	0	<u> </u>			100	1.2				
resid	C	I	ΔC (34 A4)	ΔE	Total spending	= total = output	4	РΑ	PlanedI	Realised Upphored I.
1	140	20	_	_	160 -	160	160	.	20 =	20.
2 2	(40	20		16	170 7	160	160	b	30 >	20.
3.	140	20	7.5	10	177.5 7	170	160	188 10	30 7	22.5
٧.	140	20	13.41	10	183.5 >	177-5	(60	17.5	30 >	\$ 24.4
.Te										
									20	2.5

If the change in investment is temporary, the impact on economy also temporary. Whereas if the change in economy if permanent, the impact on economy is also permanent.

Per

$$\Delta Y_1 = \Delta I_1$$

$$\Delta Y_2 = \Delta I_1 + \Delta G = \emptyset (1+6) \Delta Y_1 = (1+6)$$

$$= \Delta I_1 + b \Delta I_2$$