Direct -

1

Indirect

Income Tax

sales Tax

Wealth Tax

Service Tax

Cosposate Tax

Manufacturing Tax

Profit Tax

- Incidence of Tax: where tax is levied.
- Burden of Tax: By which tax is paid.
- > Direct: Incidence & Burden is same,
- -> Indirect: Incidence & Burden is different.
- A # Cascading effect of tax.

Eg

Value of cement = 100 = V.

Pr = V+10/V (sales)

= 110.

P2 + V+ 10% V (sales) + 10% (manufacturing)

+ 120

Pz= V+ 10 Y. Pa, (manufacturer)

= 121.

All the indirect taxes are dubbed into SGST and CGIST

GDP + Gross Domestic Product

E

lef 1 Market Value | Monetary value of final goods and services produced within its political boundary of a country within a specific time period.

# Market value -> i) - Self services - services by family members are not a part of
GDP because they have no market value.

Market value excludes self services.

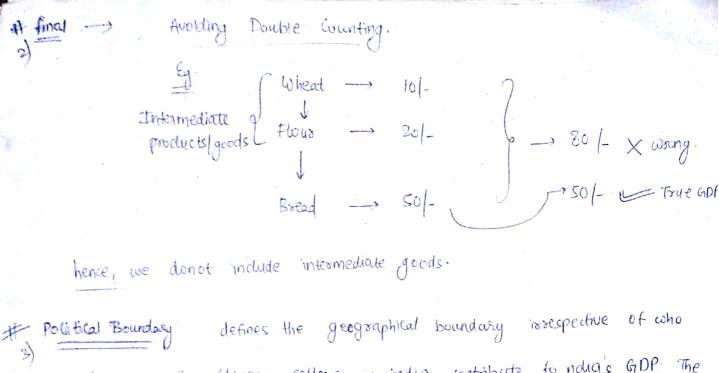
- · farmers production for themselves is a part of GDP which is an exception to indian market.
- i)- Black market | under ground market | Illegal market "is also not a part of GDF because of difficulty in measuring. Hence we do not include these in market value

iii)- Diversified products  $\rightarrow$  Rice  $\rightarrow$  tg Veg.  $\rightarrow$  tg Comp.  $\rightarrow$  no. Cars  $\rightarrow$  no. Cloth  $\rightarrow$  Meters Mik  $\rightarrow$  L.

Aggregation not possible.

aggregation possible.

-) Because of these those reasons, the market value is very important



Political Boundary defines the geographical boundary isosespective of who the produces is. Go Chinese sellers in india contribute to notific GDP. The grevenue generated by indians abroad doesnot contribute to india's GDP but contributes to india's GNP ( which has no political boundaries).

(where as location matters in case of GDP).

GNP = GDP + Net factor income from abroad.

Specific Time period. To prevent double counting due to selling of u) old products.

Continuing

1/8/17

100 and by Maruti Sazuti in 2016

80 sold 20 semaining - (Business Inventory) (BI 20)

102016

20 cass of BI + 20 produced

(Sold)

25 sold 5 semaining (BI 2017)

2016 GDP of  $C_{80}$  +  $BI_{20}$  = 100 cars

2017 GDP of  $C_{20}$  +  $C_{25}$  +  $BI_5$  -  $BI_{20}$  = 30 cars

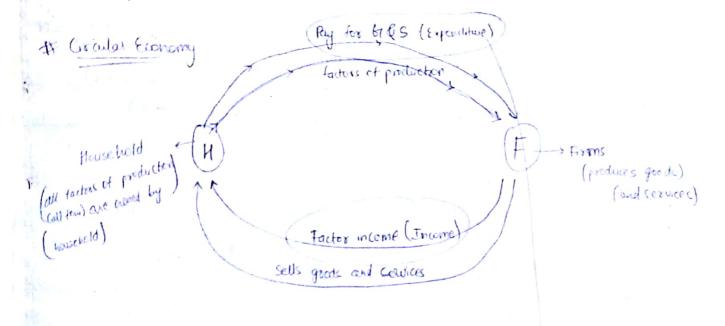
[Hus is the idea of Baciness inventory]

(almy are use not including change in price of cars in 2017?)

1 Recause 1 Can manufactures had to take Care of cans for one year

This approach is called Real GIDP.

These are total 3 approaches



these two should be equal given that these are nother other influencess in the month (in this paulianal problem)

(following any one amongst the two gives GDP)

- i) Expenditure Approach
- i) Income Approach.
- Walue Added Approach.

# 1

-11-

## Expenditure Approach

Reward for factors of production & Income

land Caloous Capital Entrepreneurship

Period. Fent + Wige + Intest + Profit = GIDP

Houses, buildings, etc. 4 comes under Capitaly (because it is limited)
(sector)

(and, other natural resources that are limited in nature

+ (and)(sector)

# 3). Value added Approach

A Value added to saw material at each stage of production & E of all the value added textureive of factors of production

Seeds wheat value added to production

Favore: 10/4 factors et production

wheat flows 30/4

wheat flows 30/4

wheat flows 30/4

Favore: 60/4

production

Flows Boad 40/4

Flows 60/4

production

Flows Boad 40/4

Flows Gallacter of factors of production

Flows Gallacter of Golf
production

Flows Boad 40/4

Flows Gallacter of Golf
production Gallacter of Golf
producter of Golf
production Gallacter of Golf
production Gallact

J 00111 TPC = Tomato producing kpc stetching " & 15 Kl- lingus = 20 Kl-Wages Soll to Sad = 601-4061-15/-HHS ( House holds) 25/4. KPC I). Expenditure mtd GPF= C+I+G + 15 + 160 p = 75 k/-I · Income mtd. wages + Reit + profit + Interest (KK+20K) + (40K-15K) + (60K-20K-25K) =75k/-Value added. 40k+ (60-25)k = 75k/tall the three approaches calculate the same 900 in a closed environment GOP - NOP

F3

NNP = GNP - Deprication

NDP = GDP - Deprication

Deprovation a Depriciation is the loss of value of fixed capital Fixed capital a mostly physical capital.

Hence, the determination or well of physical equipments is depriciation thus it is very difficult to measure.

Eg. Sewing machine has life time of 5 yas

It will wear and tear year after a year.

The expenditure of on its repairing is depriciation

# Types of GDP

Eanomy-

(A) (Polistation & alme) (Dunts)

2016 durer wheat 100 unts

100 units

produces wheat

price

11-

11-

each writ gets 10 writs of wheat

GIDP

. (00/-

1001-

2017.

wheat

150

150

B

price

1/-

21-

100-3150

100 -> 300

GOP

1201-

3001-

Each unt of polulation get 15 units

of wheat.

Scanned by CamScanner

IF Red GDP

2016 P16. A = 100

B=100

2017 P16- A= 150

R=150.

1 the change in prices is countried essent

Real GIDP = Nominal GIDP

Price Index.

(Nominal GD? + Coment Price GDP.)

As here this price index is paasche's price Pagasche's CPI index: (as services not goods)

- Nominal GOP?

- Nominal GOP? = Nominal GDP (

Real GDP.

# Per Capita GDP

4 GDP

Population

Per capita - State Domestic Product should

be used to check the progress

of one State than another because population is also a resource de

hence it tells us how well the

poresources are being used.

UP > HP (Desposert) (dorated)

KA 7 HP

Per Capita SDP

HP7RA lower population

I using lesser descurces to produce delatively more

At Purchasing Power Party (PPP)

It to compare the GDP of two different countries by overcoming the

9/3/17

GDP at market price (GDPM)
GDP at factor cost (GDPF)

GDPM = Epiqi

GDPF = GIDPM - Indirect taxes + subsidies

Edifference blu direct tax & subsidies

net indiscuttax

Expenditure approach

(+I+G+ (X-M)

agives GDPM.

Value added approach

3 gives NDPF

Income approach.

some notion of of gives GDPF n.e. (NNPF).

NNPF = National income

GDP = National income
Litgius some notion of

(not exact).

it inflation. I continues increase in General price level.

bace - ber muit exchange rathe.

Water different paradone

use value of water > diamond

in case of life death cases

(UV) ~ (UV) w.

types of paces > tariff, fees, fine bounds

fice 30/tg 0.1

Cloth 1000/meters 0.2

Comp. Socodfc. 0.7

€w;=1

0,50

P= S wip

Pt= price (evel at t.

Pt-1= 11 att-1

inflation =  $P = \frac{P_t}{P_{t-1}} \times 100 = P.y.$ 

- laapse price index -
  - Paqsche's " "
    - Fisher 11 11

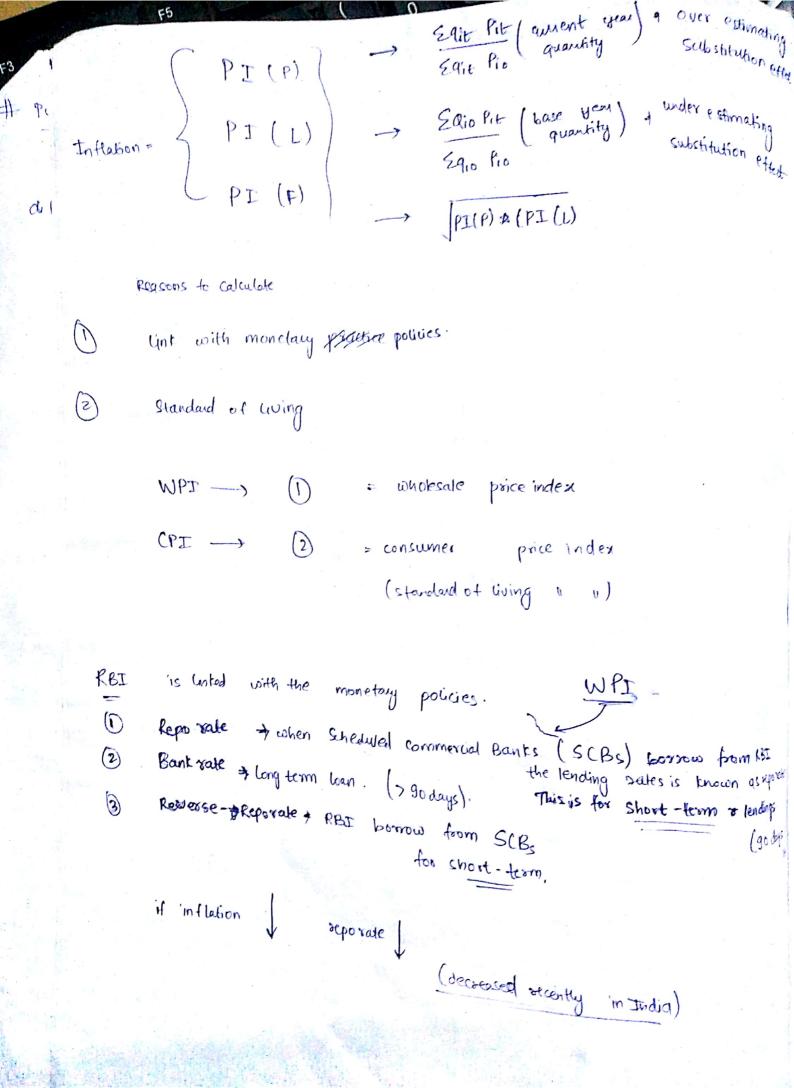
Pit = quantity of ith commodity

at base year

Pit = quantity of ith commodity

Out t years

in PLID.



X1 1018

CPI.

n -3125

(i) Price and queentity from whole call market

(Bulk quantity purchases hence prices low)

Price and quantity from the octail market.

(less quantity purchases hence prices high)

(2) Includes intermediate goods

Doesnot include intermediate goods

3 Imported goods included

Imposted not included

(4) Services (NOT)

services included.

- Coude oil I should not read to CPI I as imposted goods are not counted.

But it still does. Because Coude oil I -> Petrol I -> Services I -> CPII

hence factors of WPI indiscorry affect CPI.

CPI - Show Items

11 - Nonflow Flems

11 - Rural

11 - Uzban

. - Industrial work

" - Agl. work

Effective income =

CPIT = Purchasing power of, hence CPI -> Standard of aving price index.

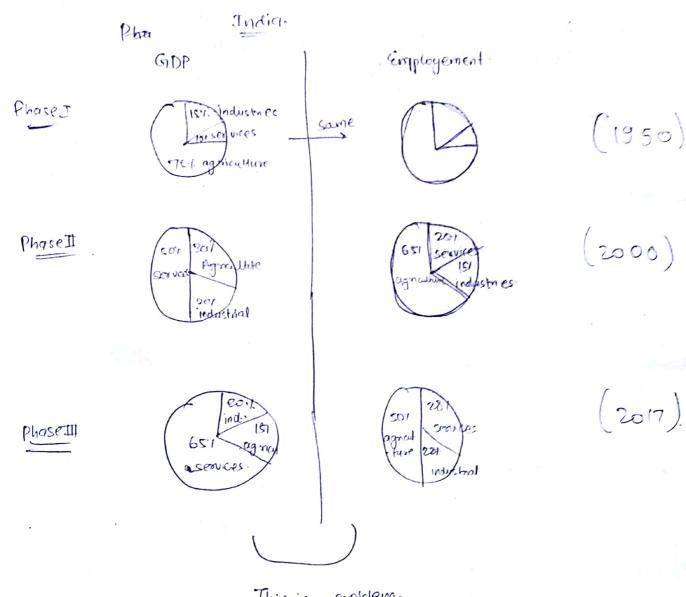
Eg. Po=50 Y=100

Pt=100 (inflation)

7 2 Note Books Prochasing 7 I Note Book

This applies for GDP as well as employement.

- This is what most of the developed countries have possed through but not India. It has a different pattern.



This is a problem.

- China has huge industrial base

agriculture ( leakage industrial forward leakage ) Services

this is the ideal partiern

Dure to this typical pattern. India has higher inequality interms of income or conditions.

geo consider this m 2017 Agures 28 1. people enjoying 65% market GDP for 50% people only 15% GDP A inequality. Human Development Indem (HDI) C, (P) C, (P) GDP. GDP2 through Arms and Ammunations Agriculture and Basic Industries.

Development should focus on people.

HDI is a measure of human development.

@ What is human development? (Defined by ONDP in 1990) A process of Enlarging Human Choices. process must be continuous

This definition is borrowed from the concept of Capabilities and Functioning 1 So revelopment should be targeted towards a set of dimension which might lead to increase in human choices Eg of Such dimensions? - freedom of mobility - Sanitation

- Education
- Health
- Income

4 + contical dimensionsi.e. mostly these three dimensions cover all others dimensions.

economies should focus primarily on these three dimense so all the

How to measure these dimensions?

Eg. in 1990 HDI to measure education of factors; (i) Adult literacy Rate

The ocasen for leaving this methodology ti) had ratico(2/3) (ii) Gross Envolment in primary (1) had ratio (1/3) · Hence not comparable anchers.

This is because (i) is "self reported throngy rate" is people analyses through themselves. School.

They are socially departed answers that all reliable and the forther used for measurement all reliable

(1) mean years of school of These are called indicators
(2) they expected years of school of for dimension education

Dimension	Indicators.  MYS  Avg EYS
Health	Life Expectancy at Bisth
Income	PCI (PPP\$)  Per capita income

PTO for Health and Income

		ACTURE !	4
GER + gross	ensolme	ent in primary school	1
of no cfs	steidents	in PS (85) Age	
popn of	- student	s in \$5. in (6-14)y	42.
NERA net	eprollme	nt ratio in primary s	rchools
a noet st	icidents	in PS (6-14) gos	
Pop" of	students	im ps.	
GER >1	VER		
		o numerator	
	Co	nsteaint.	
14114	Age	Yx of schooling (si)	EYS
MYSA	70	0	20
	40	16	w
	7	1	7
1	13 90	3	20
	50	7.0	
N.	00	MYS= 20/E 4.4.	5

#### Health indicators

- life Expectancy
- infant mortality sate
- under five mortality trate.
- Aug. BMI

N

Life expectancy is a better measure

how can this tell the signs conditions of a country.

- Problem of different units of different indicators

Actual Value - Min' Value = x E (0,1)

Maxim Value - Min' Value

+ ease of Aggregation.

teis mtd. Can be used for standardiscation of any kinds of indicators Eq. lifeway scale.

The offer standardisation, in has no wits.

PCI PCI	Mn m	4 75000	
literacy rate	O	(00)	
GER	D	(00	by observation of data of
life Expediency	25	85	last 100-200 yrs.
MYS	0	15	<b>y</b>
AE MS	0	18	

of Actual Value - to Min M Value

Maxm Value - Minm Value

this find of standardisation is followed for an dimensions except income indicators

for income indicators

This is done because these can be very vast variations in incomes of different individuals Therefore to dampen this effect, this kind of formula is used

Second explanation of as income 1, choices 1 but not at a incoencingly duminishing between of transforming income to choice.

hence to accumulate this effect.

•0				
Dimension de indica	té indicators	indices	old HDI	new HDI
Education	MYS Avg EYS	$E_1$ and $E_2$	2 E, + 1 E = E	£1+ F2
Health	life Expertancy at Birth	The Mark The Committee of the Committee		
Income	Pas (PPP &)	I		

PCI 1 Per Capita Income

16. HRINE

but there can be case to here

indicators must be compamentary to each other not substitutory.

By G.M HDI Calculation we indisedly imply that focus must be on the dimensions which are lagging.

herce GM mtd. ic more reliable.

MPI a multidimensional poverty index.

( has multiple indicators, more intence calculations).

## It Capabilities and Functionings.

d

Prood => Pesisable Characteristics = Health

(C)

Cycle -> Desisable Characteristics = Toansportation Ease.

two individuals will not one individual of the two one individual of the two Can be physically challenged.

Power

answer > 00 Individual Functions (F).

Capability -> Freedom of Choices.

Functioning -> Actieve ments

7: commodity vector of individual 'i' { Book}

(c): Characteristic vector of oc. & knowledgelk, leading Place (RP), listening Place (LP), Heat (H) 3.

f.(): individual function individual "i actually used . SRA 3, Eus [M+].

Fil): Set of fil) { fearling (M), (LA) (ME) abouty

Vi(): Valuation function of individual il.

bi= fi (c(xi))

Reading ability stress

Characteristics.

Book

bi= {job} using Book -> knowledge characteristic -> Reading ability used

bi= {job, mobility}.

& Achieved Job.

 $\int b_i + b_i = f(c(m_i)) \quad \text{for} \quad f(i) \in F(i).$