

ECONOMICS

Determination of National Income

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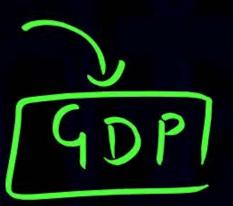






RECAP OF PREVIOUS LECTURE

1) National Income Accounting







TOPICS TO BE COVERED

1) National Income Accounting





GDP Deflator = Nominal GDP x100
Price Index

Real GDP



GNP Deflator = Nominal GNP X100

Real GNP





in come Deflator = Nominal Income × 100 Reof income



year	GDP Deflate
2009.	150
2010.	125



Inflation rate in year $2 = \frac{GDP \text{ deflator in year 2} - GDP \text{ deflator in year 1}}{GDP \text{ Deflator in year 1}} \times 100$





Pw

Gross Value

1,00,000 Kahu

wears out Depreciation Consumption of fixed capital 40,000

Current Replacement Cost



Gross _ Dep. = Net value value

> Russian (5000) 2000 cycle = (5000)

> > 3000 Dep.



NDP

GDP-Dep.=NDP

Net Domestic

Product



$$9 \text{ NDP} = 700$$
 $9 \text{ DP} = 200$
 $9 \text{ PP} = \text{NDP}$
 $9 \text{ PP} = \text{NDP}$
 $= 700 + 200$
 $= 900$

Direct lax



- -> income tax
- -> Property wealth tax
- -> House-tax
- -> (orporate Pagit tax
- -> Griff tax -> Cabital gain tax

Imposed on Individuels

Indirect Tax



Soles tax

Service tax

Entertainment tax

Tax on Production Excise duty

Custom duty

Imposed on goods

Desvice

July 2017 [G5T]



Direct Indirect tax



Indirect tax



Pw

7 18-2=K

P = FC + NIT $= 150 \quad MP = FC + NIT$ = 150 + 16 = 166 $Sub = 2, \quad MP = P$

A) 132 B) 166 B) 168



$$mP = fc + NIT$$

$$4DP_{mp} = 4Df_{f} + NIT$$

$$= 100 + 25$$

$$= 125$$



$$90^{\circ}_{mp} = 100$$
 $NIT = 20$
 $90^{\circ}_{mp} = 100$



Sum total of all factors
Income earned within domestic boundary territory. Domestic Income





Factor income from Abroad [FIFA]

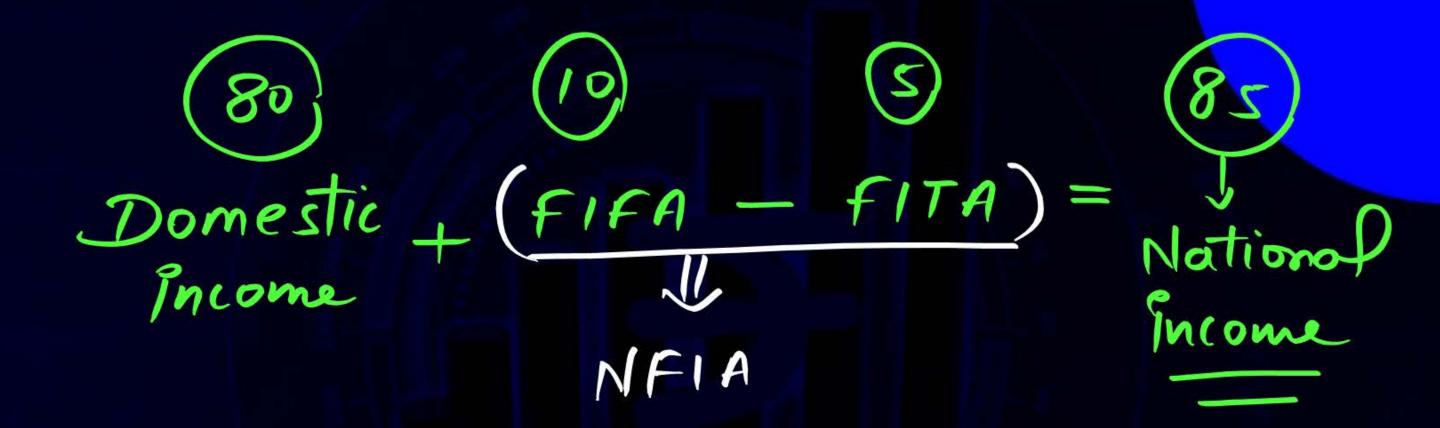
OR

Factor income Earned by domestic factors
in Rest of the world



factor income Paid to Abroad [fITA] Factor income Earned by Tactors of Production in Domestic territory.





Domestic Income + NFIA = National income



National income

Domestic

Topic: Net Factor income from abroad (NFIA)



Factor domestic factors of employed in the rest of the world

income earned by the Factor income earned by the factors production of production of the rest of the world employed in the domestic territory

Net Factor income from abroad (NFIA)

NFIA = FIFA - FITA



Pw

NFIA is the difference between the

- aggregate amount that a country's citizens and companies earn abroad, and
- aggregate amount that foreign citizens and overseas companies earn in that country.



Domestic + NFIA = National

National - NFIA = Domestic



NDP + NFIA = NNP.



Product factor cost Domestic

Net National Product

mp market Price MDPmp



$$\frac{8}{2} \quad NNI_{mp} = 100$$

$$NIT = 50$$

$$NNI_{e} = NNI_{mp} - NIT$$

$$= 100 - 50$$

$$= 50$$

$$\begin{cases}
9 & 90 \\
1 & 1 \\
1 & 1
\end{cases}$$

$$NFIA = 1$$

$$NIT = 3$$

$$NNP_{mp} = 90 \\
1 & 1 \\
1 & 1
\end{cases}$$

$$= 52$$

$$\frac{Q}{Z} \frac{NDP_C}{NFIA} = 5$$

$$\frac{NPP_C}{NPP_C} = 7$$

Am

$$NN_{Fc} = ND_{Fc} + NFIA$$

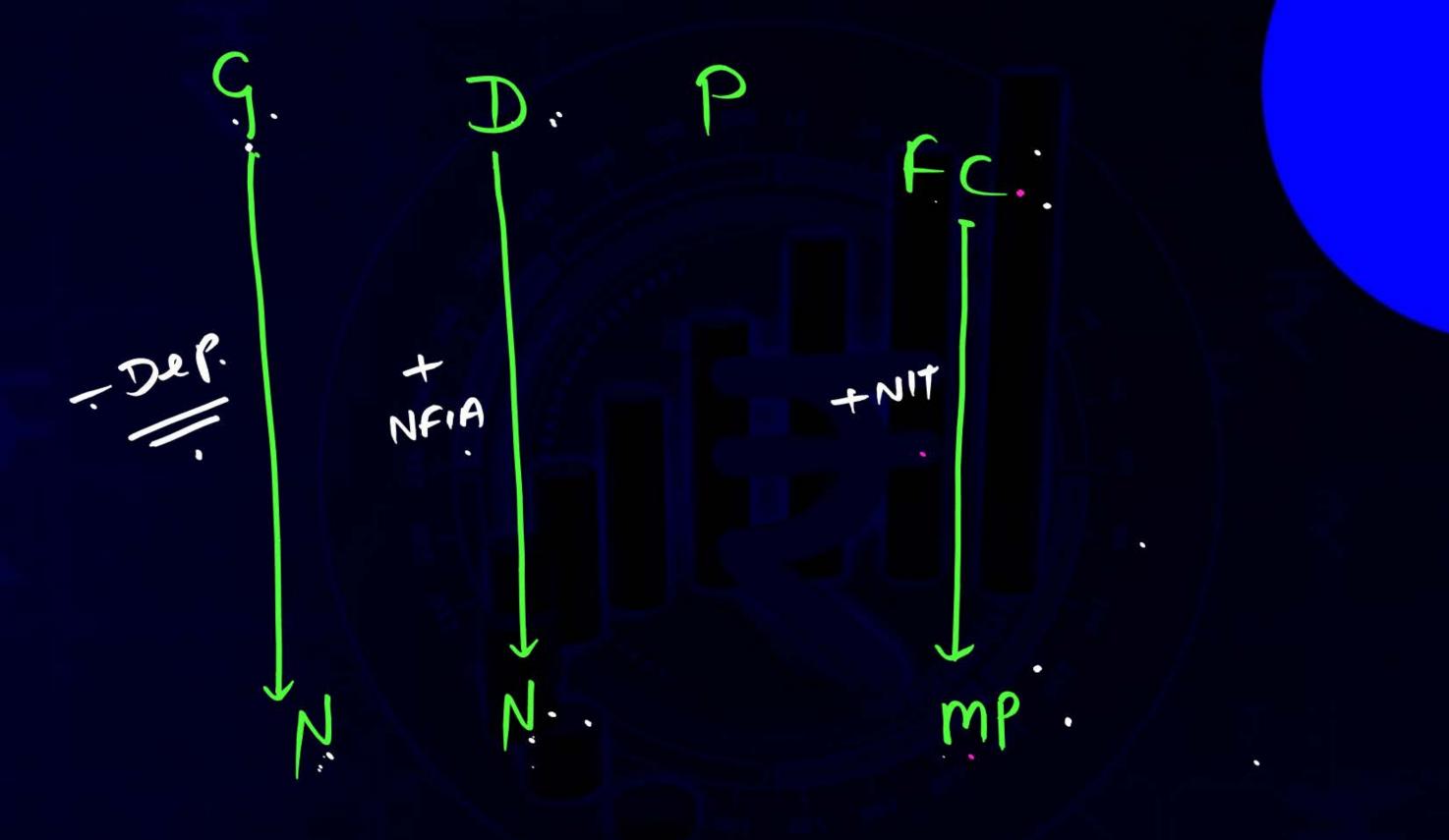
$$= 50 + 5$$

$$= 55$$





Apr
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Golden Rules of National Income



(1) Gross-Depreciation = Net

(2) Factor Cost + Indirect Taxes - Subsidies = Market Price OR
Factor Cost + Net Indirect Taxes = Market Price

(3) Domestic + Net Factor Income from Abroad (NFIA) = National



N17=17-5 = 5-2 = 3



Topic: Indirect Taxes and Subsidies

Independent of the volume of actual production: Production Taxes & Production Subsidies:

- Examples of production taxes are land revenues, stamps and registration fees and tax on profession, factory license fee, taxes to be paid to the local authorities, pollution tax etc.
- Examples of production subsidies are subsidies to railways, subsidies to village and small industries.



Paid or received on per unit of product : Product Taxes & Product Subsidies :

- Examples of product taxes are excise duties, sales tax, service tax and import export duties.
- Examples of product subsidies are food, petroleum and fertilizer subsidies.







#Q. Fill in the blank: NNP_{FC} _____ = GDP_{MP}

- 1. + Depreciation Net factor income from abroad Net Indirect taxes X
- + Depreciation + Net factor income from abroad + Net Indirect taxes X
- 3. + Depreciation Net factor income from abroad + Net Indirect taxes
- + Depreciation + Net factor income from abroad Net Indirect taxes

Question

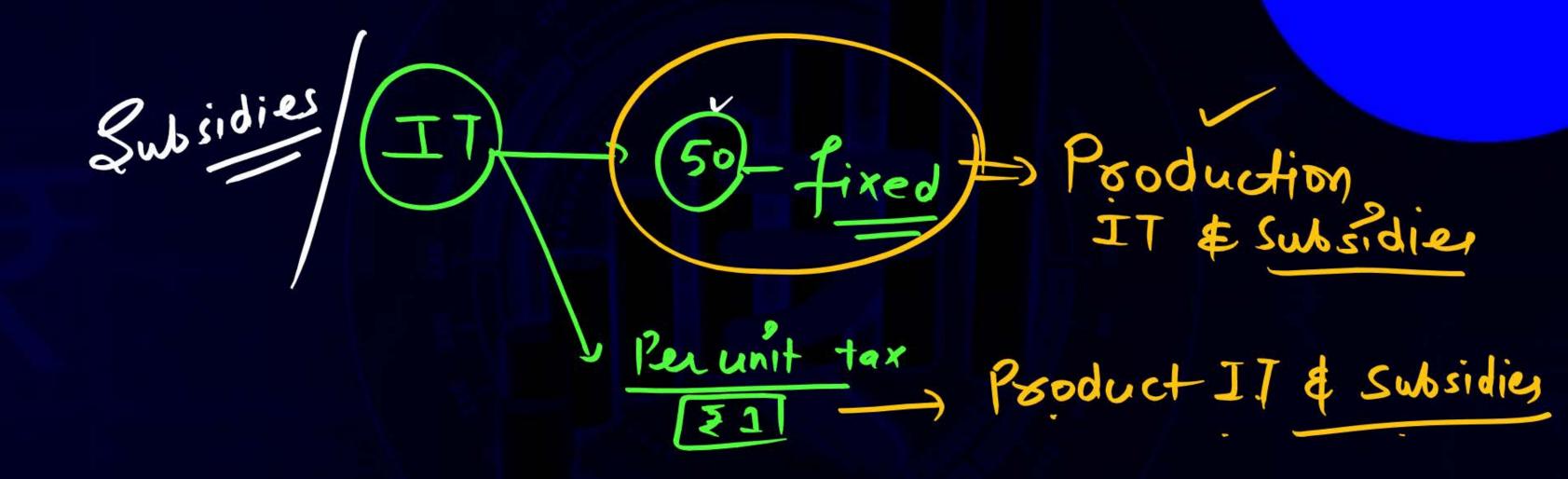


If net national product is given at Market Prices, we indirect subsidies to get National Income of the economy taxes and _____

NNPme IT

- Add, Subtract
- Add, Divide
- Subtract, Add
- Subtract, Divide X





Question



From the following information, compute GNP_{MP} GDP_{FC} = ₹ 3,000; Net factor #Q. income to abroad = ₹ 200. Indirect Taxes = ₹ 420, Subsidies = ₹ 240.

$$=3000+180+(-200)$$
 $=2980$



Net factor income from Abroad

NFIA



Net fector income To Abroad

NF1A = -80



2 mins Summary

