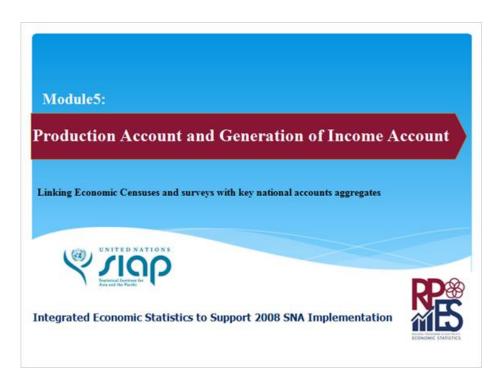
Module5: Production Account and General of Income Accounts

1. Production-Income Generation Accounts

1.1 Session 3.1 to 3.3: Production Account and Generation of Income Account



Notes:

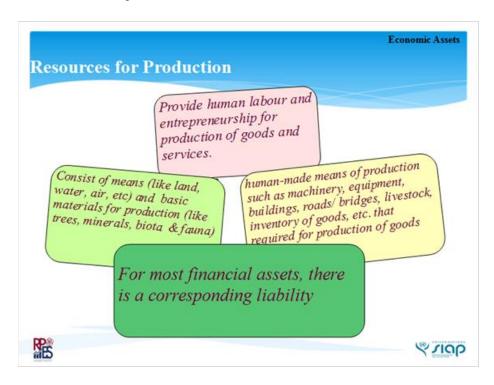
1.2 Contents



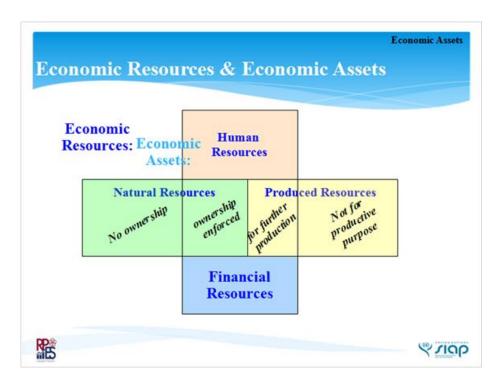
1.3 Economic Assets



1.4 Resources for Production



1.5 Economic Resources & Economic Assets



1.6 Some Questions



Some Questions

Economic Assets

Are the following economic assets? If 'yes', what kind of economic assets? If not, why not?

- 1. Finished goods of a company in its warehouse -
- 2. Automobiles of households -
- 3. Refrigerator used by a restaurant -
- 4. Stock of fish in open sea -
- 5. Shares of a company held by a household -
- 6. Milk animals in a dairy farm -
- 7. Stock of grains held by households for its own consumption -
- 8. Uncultivated trees in reserved forests -



1.7 Questions & Answer



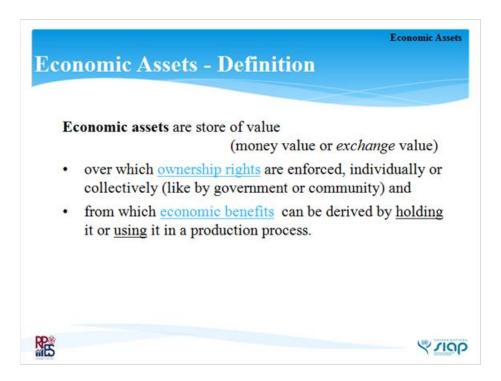
Some Questions with Solutions

Economic Assets

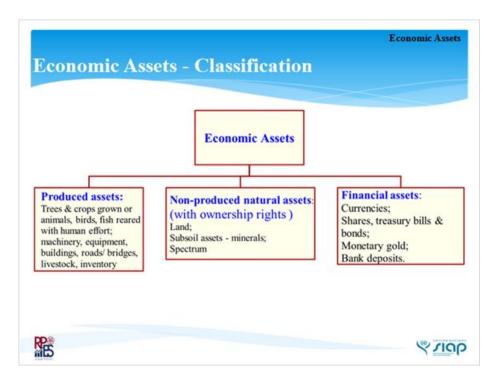
Are the following economic assets? If 'yes', what kind of economic assets? If not, why not?

- 1. Finished goods of a company in its warehouse Finished goods held in the stock are produced assets. When they are sold in market the company gets economic benefits.
- Automobiles of households NOT an economic asset. Durable goods held by the households for consumption are not treated as economic assets, since no economic benefit is derived from them.
- 3. Refrigerator used by a restaurant Produced assets provides economic benefit to the restaurant.
- 4. Stock of fish in open sea NOT economic assets -no one owns them.
- 5. Shares of a company held by a household Financial asset.
- 6. Milk animals in a dairy farm Produced asset.
- 7. Stock of grains held by households for its own consumption NOT economic assets -no economic benefit.
- 8. Uncultivated trees in reserved forests Non-produced natural assets owned by the government.

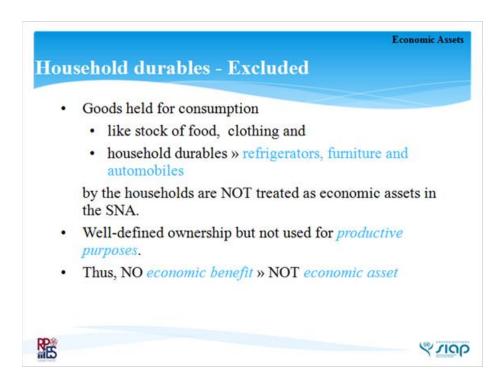
1.8 Economic Assets - Definition



1.9 Economic Assets - Classification



1.10 Household durables - Excluded



1.11 Economic Flows



1.12 Economic Flows

Economic Flows

Economic Flows

All that bring about changes in the volume of economic assets are defined as *economic flows* in the SNA.

Examples:

- sale & purchase of goods & services
- production of goods and services
- payment of taxes
- payments & receipts of transfers
- destruction of economic assets by natural or human-made calamities
- increase in value of an asset caused by holding it over time.



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1.13 Questions



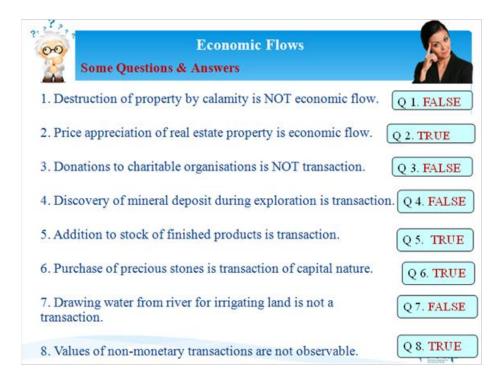
Some Questions: Economic Flows

State whether TRUE of FALSE.

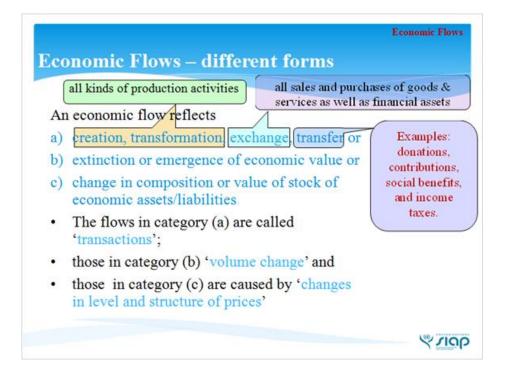
- 1. Destruction of property by calamity is NOT economic flow.
- 2. Price appreciation of real estate property is economic flow.
- 3. Donations to charitable organisations is NOT transaction.
- 4. Discovery of mineral deposit during exploration is transaction.
- 5. Addition to stock of finished products is transaction.
- 6. Purchase of precious stones is transaction of capital nature.
- 7. Drawing water from river for irrigating land is not a transaction.
- 8. Values of non-monetary transactions are not observable.



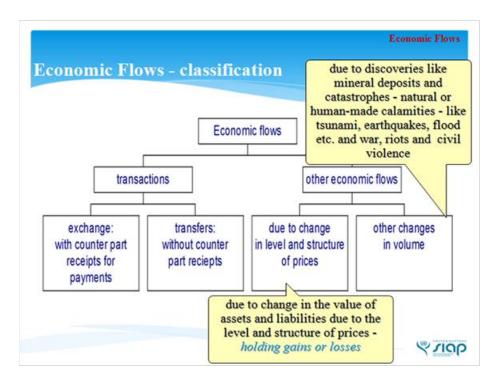
1.14 Questions & Answer



1.15 Economic Flows – different forms



1.16 Economic Flows - classification



1.17 Transactions



1.18 Transactions - Definition

Transactions - Definition

- A transaction is an economic flow that involves interaction
 - · between institutional units by mutual agreement or
 - an action within an institutional unit that is analytically useful to treat like a transaction, often because the unit is operating in two different capacities (2008 SNA, para 3.7).
- In other words, transactions involve interaction by <u>mutual</u>
 agreement for exchange of goods & services of economic
 value and financial assets between institutional units or
 within institutional unit operating in different capacities.



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Transactions

1.19 Types of transactions

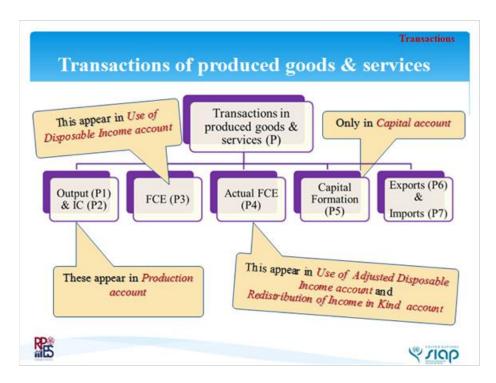
Types of transactions

- Transaction in goods and services: Transactions in goods and services or products. Two kinds: transactions in
 - Produced goods and services or products [P codes]
 - ➤ Non-produced assets [NP codes]
- Distributive transactions [D codes]: Two kinds:
 - Distribution of income generated in production of goods & services [D1 – D4 codes]
 - ➤ Transfers [D5 D9 codes]
- Transactions in financial assets and liabilities [F codes]: net acquisition of assets and net incurrence of liabilities.

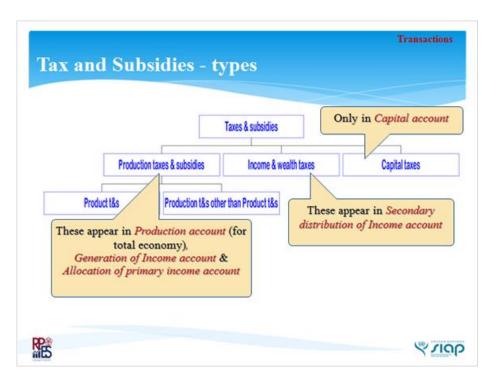




1.20 Transactions of produced goods & services



1.21 Tax and Subsidies - types



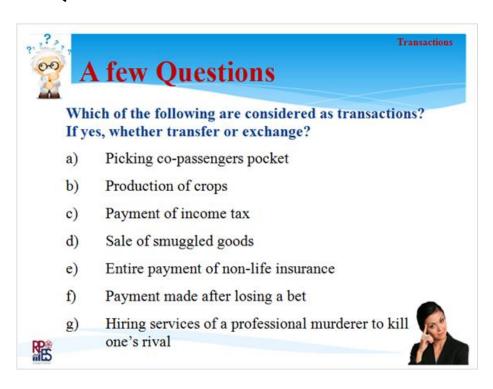
1.22 Production Taxes & Subsidies

Production Taxes & Subsidies • Product taxes & subsidies: payable / receivable by the enterprises per unit of goods & services produced • like excise, sales tax, product subsidies and value added tax (VAT). • Other taxes and subsidies on production: All other taxes / subsidies except those on products that the enterprises pay / receive for engaging in production • like payroll taxes / subsidies, taxes on land & building, business licenses, pollution tax and pollution control subsidies.

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1.23 Questions

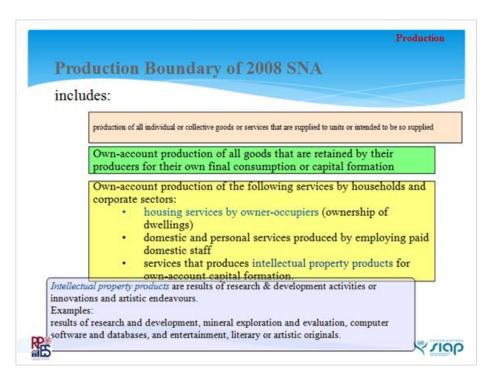
RES



1.24 Production



1.25 Production Boundary of 2008 SNA



1.26 Questions



Some Questions - Production Boundary

State whether the following are in the production boundary

Note down your answers for each question before proceeding.

- 1. Free education services provided by government & NPISHs
- 2. Banking services not explicitly charged for like FISIM.
- 3. Activity of picking pocket.
- 4. Services of owner-occupied dwellings
- 5. Earning from gambling
- 6. Smuggling.
- 7. Teaching ones own children at home.
- 8. Making dress for the children in the household.



1.27 Questions & Answer



Answers: Production Boundary



Q 1. Yes

Q 2. Yes

- 1. Free education services provided by government & NPISHs
 - Banking services not explicitly charged for like FISIM.
- Activity of picking pocket.
- Q 3. No, it is NOT a transaction.
- 4. Services of owner-occupied dwellings

Q 4. Yes

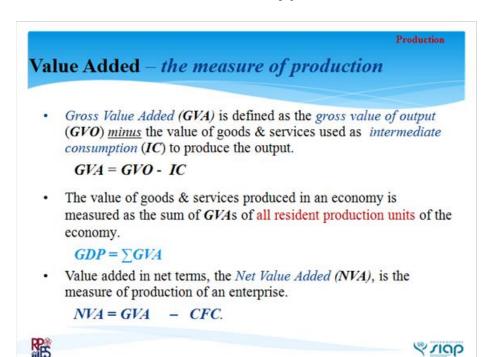
5. Earning from gambling

Q 5. No, it is transfer.

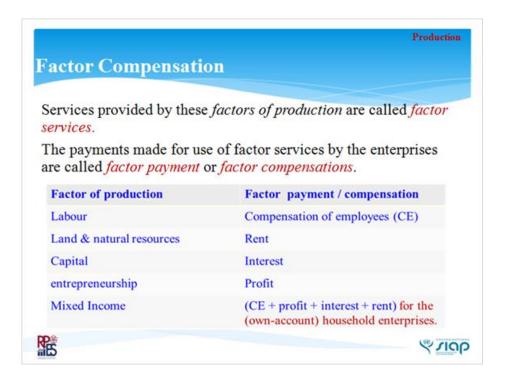
Smuggling.

- Q 6. Yes, it is illegal trading.
- Teaching ones own children at home.
- Q 7. No, service within household.
- 8. Making dress for the children in the household.
- Q 8. Yes, dress making is production of goods.

1.28 Value Added – the measure of production



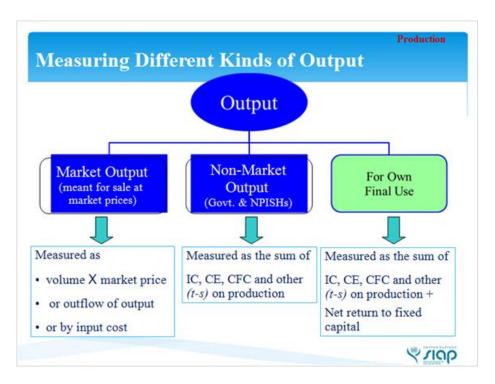
1.29 Factor Compensation



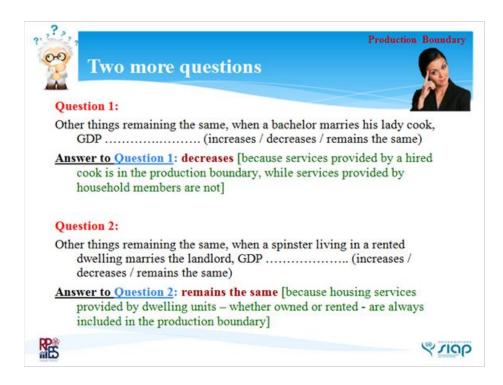
1.30 Rent and Rentals



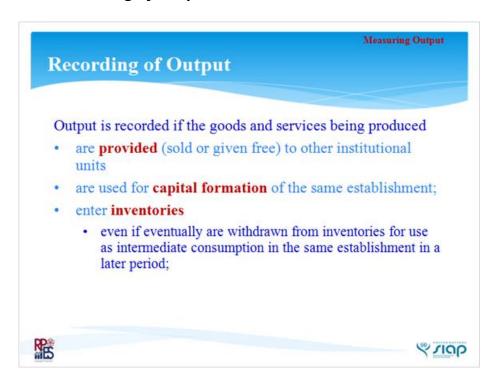
1.31 Measuring Different Kinds of Output



1.32 Questions



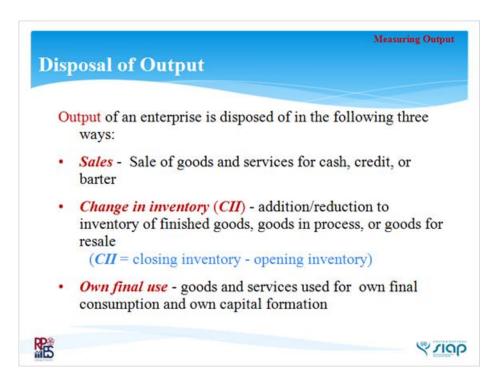
1.33 Recording of Output



1.34 Recording of Output (contd.)



1.35 Disposal of Output



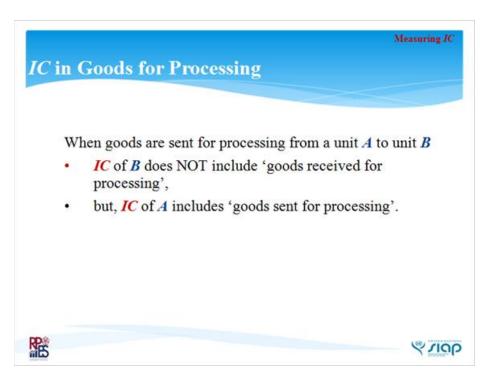
1.36 Measuring



1.37 Intermediate Consumption (IC)



1.38 IC in Goods for Processing



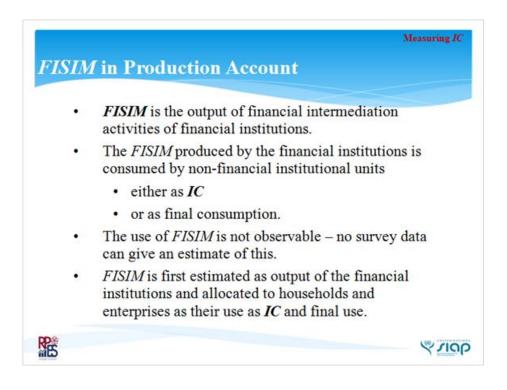
1.39 R&D and Mineral Exploration



1.40 Military Inventories

Military Inventories • Military weapon systems are classified as fixed assets. • Single-use items, such as ammunition, missiles, rockets, bombs, etc., are treated as military inventories • These form part of IC when put to use.

1.41 FISIM in Production Account



1.42 Allocation of FISIM

	on of FISIM	ext, FISIM allocated to I	C is			
FISIM allocation allocated to		llocated to divi	GVA by Industry - Adjusted of fdFIBISIM			
Industry	IC	Industry	GIO,	IC	GVA _b	
Agriculture	5	Agriculture	1	- 72	7	
Mining	7 .	Mining		27		
Manufacturing	1	Amsterd IIIIO Manufacturing				
Construction	FISIM is first dis	mption Construction			1	
	IC and I isa	IC (= 77 say) ····				
Financial intermediation	0	and Financial intermediation	FISIM (say			
//		final				
//		(= 50 say)				
ersonal services		Personal service	s			
TOTAL	77	TOTAL		-		

1.43 Rearranged Transaction in SNA

Rearranged Transaction in SNA

- In the SNA, often a single monetary transaction taking place between institutional units is decomposed to more than one transactions.
- The values of certain transactions in business accounts are thus rearranged.
- Three kinds of rearrangements of transactions

· partitioning,

· rerouting and

reallocating

often involve a component of IC.

These re-arrangements help in presenting the values of transactions according to the SNA framework and affect the channels through which the transactions are seen as taking place, the number of transactions that are seen as taking place, or the units that are seen as being involved.

Measuring IC

1.44 Questions



Some Questions

State whether TRUE of FALSE

Note down your answers for each question before proceeding.

- Expenditure on user rights of non-produced resources is not included in IC.
- 2. Military expenditures on purchase of weapons systems is included in IC.
- Expenditures on mineral exploration, R&D and all other own-account capital formation valued at cost are included in IC, GVO and GFCF.
- For an enterprise, the SNA interest is included in property income payment and FISIM in IC.
- 5. Employers' social contributions are included in IC.
- 6. Employees' stock option is included in CE.



1.45 Questions & Answers



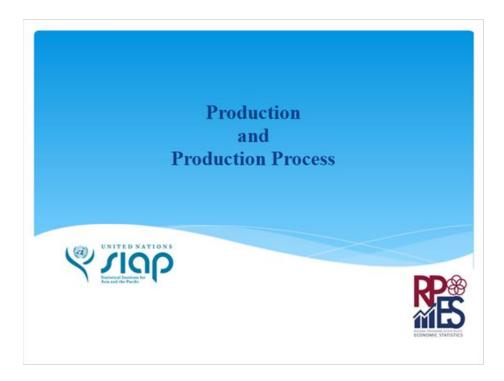
Some Questions & Answers

State whether TRUE of FALSE.

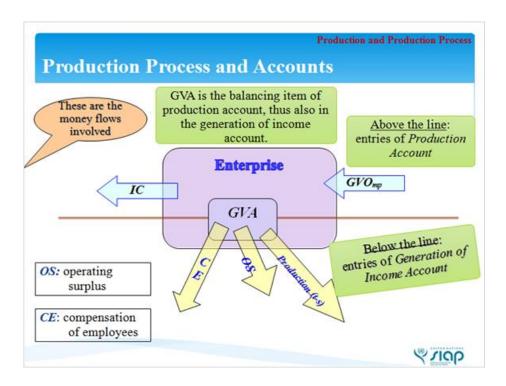
- Expenditure on user rights of non-produced resources is not included in IC.
- Q 1. TRUE
- Military expenditures on purchase of weapons systems is included in IC.
- Q 2. FALSE
- Expenditures on mineral exploration, R&D and all other ownaccount capital formation valued at cost are included in IC, GVO and GFCF.
- Q 3. TRUE
- For an enterprise, the SNA interest is included in property income payment and FISIM in IC.
- Q 4. TRUE
- 5. Employers' social contributions are included in IC.
- Q 5. FALSE
- 6. Employees' stock option is included in CE.

Q 6. TRUE

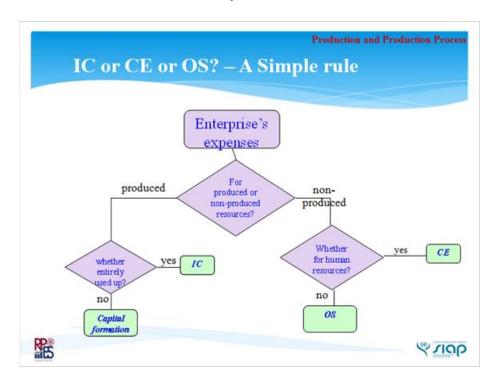
1.46 Production



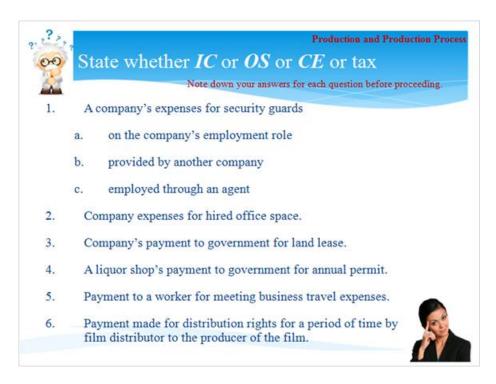
1.47 Production Process and Accounts



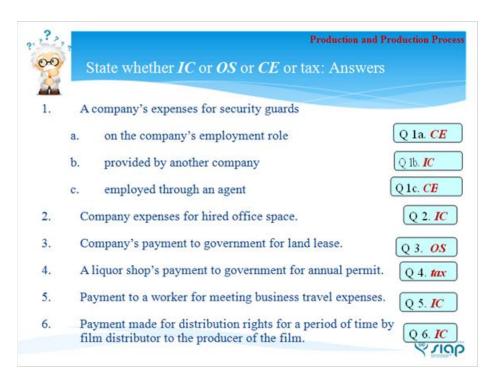
1.48 IC or CE or OS? – A Simple rule



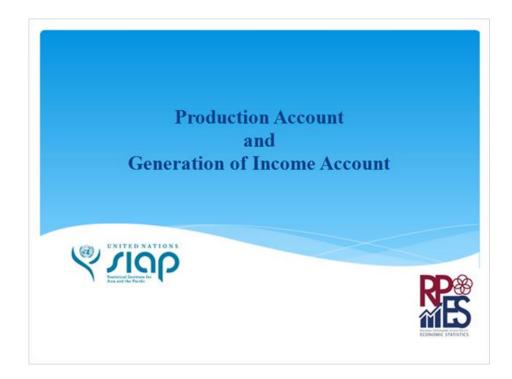
1.49 Questions



1.50 Questions & Answers



1.51 Production Account



1.52 Applicability

Applicability

Production and Income Generation Accounts

Production account: records all the production-related flows, other than income generated.

Generation of Income account: records the flows like payment of compensation of employees, operating surplus and mixed income.

These two accounts can be compiled for

- individual production units like individual establishments
- · or a group of establishments
- · as well as institutional sectors and the total economy.



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1.53 Underlying Identities

Production and Income Generation Accounts

Underlying Identities

For total economy

Production account:

$$GDP_{mp} \equiv GVO_{bp} - IC + product (t-s) + (t-s) on imports.$$

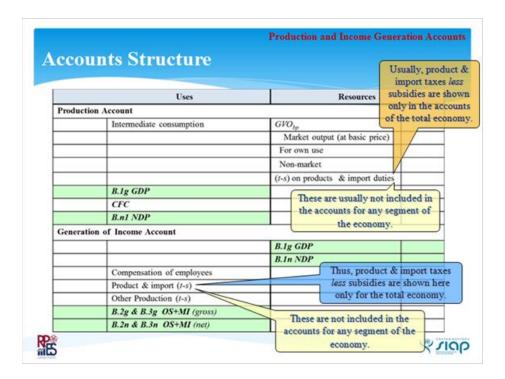
Generation of Income account:

$$GDP_{mp} \equiv (CE + OS \& MI)$$
 generated in resident enterprises + production $(t-s) + (t-s)$ on imports.

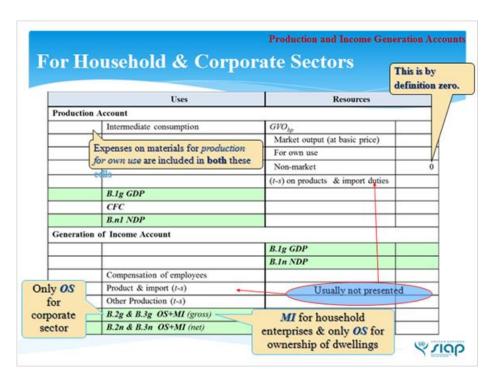




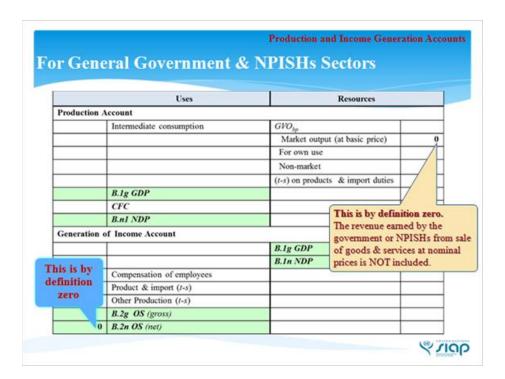
1.54 Accounts Structure



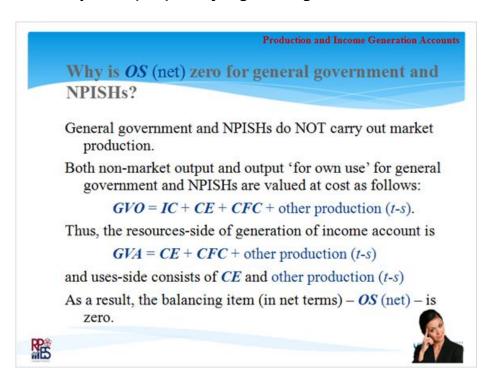
1.55 For Household & Corporate Sectors



1.56 For General Government & NPISHs Sectors



1.57 Why is OS (net) zero for general government and NPISHs?



1.58 Questions



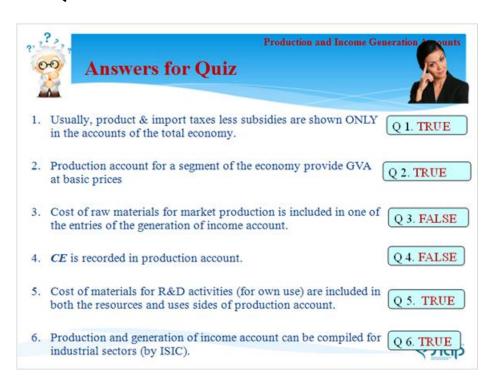
Production and Income Generation Accounts: Some Questions

Note down your answers for each question before proceeding.

State whether TRUE of FALSE.

- Usually, product & import taxes less subsidies are shown ONLY in the accounts of the total economy.
- Production account for a segment of the economy provide GVA at basic prices
- Cost of raw materials for market production is included in one of the entries of the generation of income account.
- 4. CE is recorded in production account.
- Cost of materials for R&D activities (for own use) are included in both the resources and uses sides of production account.
- Production and generation of income account can be compiled for industrial sectors (by ISIC).

1.59 Questions and Answers



1.60 Thanks

