



# CA Foundation – Business Economics



# Economics Chp 6

## Last Minute Notes

**(Only Important Points)**

**By CA Mohnish Vora (MVSIR)**

**Disclaimer-** These notes are meant only for **last-minute revision**. They are **not a substitute of Super Chart book**. In exams, students must explain each point in more detail & should refer to chart book for complete understanding of every concept.

## CHAPTER 6 – NATIONAL INCOME | UNIT 1

1	<p><b>Gross domestic product (GDP) is-</b></p> <ul style="list-style-type: none"> <li>➤ monetary value of</li> <li>➤ all <b>final</b></li> <li>➤ <b>economic G/S,</b></li> <li>➤ <b>gross of depreciation,</b></li> <li>➤ <b>produced</b></li> <li>➤ <b>within domestic territory</b></li> <li>➤ during a given <b>time period.</b></li> </ul>
2	<p><b>Final Goods</b> Goods <b>used either for consumption or investment.</b> Neither <b>resold</b> nor undergo <b>further transformation.</b> Only final goods is considered in GDP, to <b>avoid double counting.</b></p>
3	<p><b>Intermediate goods</b></p> <ul style="list-style-type: none"> <li>➤ Used either for-  <input type="checkbox"/> <b>resale</b> or  <input type="checkbox"/> for <b>further production in same year.</b></li> </ul> <p>They <b>do not end up in final consumption</b>, and are <b>not capital goods</b> either.</p> <ul style="list-style-type: none"> <li>➤ They have <b>derived demand</b>.</li> <li>➤ If they remain for more than one year → treated as <b>final goods.</b></li> </ul>
4	<p>NI &amp; GDP is a '<b>flow</b>' measure of output per time period &amp; <b>includes only those G/S produced in current period</b></p>
5	<p><b>Exclusions from GDP</b></p> <ul style="list-style-type: none"> <li>➤ <b>Transfer Payments</b> - <b>Making a payment, without G/S being received in return.</b></li> <li>➤ <b>Financial transactions</b> -<b>Stocks &amp; bonds exchanged during the period</b> are not included. However, value of services that accompany sale &amp; purchase (e.g. brokerage) is included.</li> <li>➤ <b>Sale of 2<sup>nd</sup> Hand goods</b></li> <li>➤ <b>Non-reported output</b> - <b>illegal transactions.</b> Eg - narcotics &amp; gambling</li> </ul>
6	<p><b>Nominal GDP (aka. GDP at current year price)</b></p> <ul style="list-style-type: none"> <li>➤ CY output (x) CY Prices</li> <li>➤ <b>Nominal GDP changes</b> for two reasons.           <ul style="list-style-type: none"> <li>1) Qty of G/S produced changes, &amp;</li> <li>2) When <b>market prices change.</b></li> </ul> </li> </ul>
7	<p><b>Real GDP (aka. GDP at constant price)</b></p> <ul style="list-style-type: none"> <li>➤ CY Output (x) BY Price</li> <li>➤ It is <b>inflation adjusted</b> GDP</li> <li>➤ It <b>changes only when there is change in Qty prod.</b></li> <li>➤ <b>Not affected by changes in prices</b></li> <li>➤ Real GDP- better measure of <b>economic well being</b></li> </ul>

## CHAPTER 6 – NATIONAL INCOME | UNIT 1

8	$\text{GDP Deflator} = \frac{\text{Nominal}}{\text{Real GDP}} \times 100$	13	<b>Mixed Income of Self Employed</b> Difficult to separate <b>labour income from capital income</b> when <b>people provide both labour and capital services</b> .
8.1	$\text{Inflation rate} = \frac{\text{GDP deflator in Yr 2} - \text{GDP deflator in Yr 1}}{\text{GDP Deflator in Yr 1}} \times 100$	14	<b>Net Domestic Product at Factor Cost (NDP FC)</b> <b>(AKA - Domestic Income or Factor Income earned in Domestic Territory) =</b> Compensation of employees (+) Operating Surplus (R,I,P) (+) Mixed Income of Self-employed
9	<b>Domestic Vs National</b> 'National' → <b>normal residents</b> within or outside domestic territory → <b>broader concept</b> compared to ' <b>domestic</b> '.  'Domestic' → production done <b>WITHIN domestic territory</b>	15	<b>National Income (NNPFC) = NDPFC + NFIA</b>
10	<b>Resident Unit</b> - Unit having <b>predominant (major) economic interest</b> in economic territory of country for <b>1 year or more irrespective of nationality</b> or legal status	16	As per CSO → ' <b>National income</b> is <b>sum total of factor incomes</b> generated by <b>normal residents</b> of a country like <b>wages, rent, interest &amp; profit</b> in an <b>accounting year</b> '.
11	<b>Net Factor Income From Abroad</b> = <b>Factor Income from abroad (-) Factor Income to Abroad</b>	17	<b>3 Golden Rules of NI</b>  1) Gross – Depreciation = Net 2) $\text{MP} = \text{FC} + \text{IDT} - \text{Subsidy}$ or $\text{MP} = \text{FC} + \text{NIT}$ 3) Domestic + NFIA = National
12	<b>Operating Surplus</b> = <b>Rent + Interest + Profit</b> → <b>(R,I,P)</b>		

## CHAPTER 6 – NATIONAL INCOME | UNIT 1

18	<p><b>GDP Per Capita</b></p> <ul style="list-style-type: none"> <li>Measure of country's <b>economic output per person</b>.</li> <li><b>Indicator</b> of the <b>standard of living</b> of a country.</li> <li><b>GDP Per Capita</b> = <b>Real GDP / Total Population</b></li> </ul>	23	<ul style="list-style-type: none"> <li>Income from domestic product (NDPfc) accruing to <b>public sector (Govt Income)</b></li> <li>= <b>Income from P/E accruing to govt admin dep + Savings of Non dep enterprises</b></li> </ul> <ul style="list-style-type: none"> <li>Income from domestic product (NDPfc) accruing to <b>private sector</b></li> <li>= <b>NDPfc (-) Govt Income</b></li> </ul>
19	<p><b>Indirect Taxes and Subsidies</b></p> <p><b>1) Production Taxes &amp; Production Subsidies</b> <b>Independent</b> of volume (qty) of actual production</p> <p><b>2) Product Taxes &amp; Product Subsidies</b> Paid or received <b>on per unit of product</b></p>	24	<p><b>Private Income</b></p> <p>A measure of income (<b>both factor &amp; transfer income</b>) which <b>accrues to private sector</b> from <b>all sources within &amp; outside</b> the country.</p> <p><b>Private Income</b> = Income from domestic product accruing to private sector + Net factor income from abroad + National debt interest + Current transfers from government &amp; rest of world</p>
20	<p><b>Basic Price</b> = <b>FC + Production Tax – Production Subsidy</b></p> <p><b>Market Price</b> = <b>BP + Product Tax – Product Subsidy</b></p>	25	<p><b>Net National Disposable Income (NNDI)</b> - The amount of G/S domestic <b>economy</b> has at its disposal.</p> <ul style="list-style-type: none"> <li><b>NNDI</b> = <b>NNPfc + Net IDT + Net Current Trf. from ROW</b></li> <li><b>GNDI</b> = <b>NNDI + Depreciation</b></li> </ul> <p>( Ignore "<b>Govt transfer pay</b>" in GNDI/NNDI )</p>
22	<p><b>Disposable Personal Income (DI)</b></p> <p>It is a measure of <b>amount of money in hands of individuals</b> → <b>available for consumption or savings</b>.</p> <p><b>DI</b> = <b>Personal Inc – Personal Inc Tax – Non Tax Pay.</b></p>		<ul style="list-style-type: none"> <li>✓ Study Economics &amp; CA Inter FM/SM from <b>MVSIR</b> (online mode)</li> <li>✓ Buy <b>MVSIR's books &amp; quiz</b> - <a href="http://mvsir.in">mvsir.in</a></li> </ul>



## CHAPTER 6 – NATIONAL INCOME | UNIT 1

Particulars	Includes	Remarks
<b>National Income</b>	Earned Income recd. or not recd.	All sectors
<b>Personal Income</b>	Earned Income recd. & Transfer Income recd.	Household sector including NPISH
<b>Private Income</b>	Earned Income recd. or not recd. & Transfer Income recd. or not recd.	Private Sector

26	<p><b><u>Circular flow of income</u></b></p> <p><b>Circular flow of income</b> refers to the <b>continuous circulation</b> of <b>production, income generation &amp; expenditure</b> involving <b>different sectors</b> of the economy. There are 3 phases-</p> 
----	---

- ✓ Study Economics & CA Inter FM/SM from MVSIR (online mode)- on **Ultimate CA platform**
- ✓ Buy MVSIR's books & quiz- [mvsir.in](http://mvsir.in)

Method	Data Required	What is measured?
<b>Value Added</b> or Product or Industrial Origin or Net Output Method	The sum of net values added by all the producing enterprises of the country	Contribution of production units
<b>Factor Income</b> or Factor Payment or Distributed Share	Total factor incomes generated in the production of goods and services	Relative contribution of factor owners
<b>Expenditure method</b> or Income Disposal	Sum of exp. of 3 spending units- 1. government, 2. consumer households, and 3. producing enterprises (firms)	Flow of consumption and investment expenditures

27	<b><u>Value Added Method</u></b> Value of Output - Intermediate Cons. (of all sectors: PS, SS, TS) = <b>GVA mp</b> or <b>GDP mp</b>
----	---

## CHAPTER 6 – NATIONAL INCOME | UNIT 1

28	<ul style="list-style-type: none"> <li>➤ <math>GVAm - Dep + NFIA - NIT = NNPfc (NI)</math></li> <li>➤ If Value of Output is <b>not given</b>, then  <b>Value of Output</b> = Sales + Change in Stock            Where, Change in Stock = Cl Stock (-) Op Stock</li> </ul>	<p><b>Expenditure Method</b></p> <p><b>GDP mp</b> = PFCE + GDCF + GFCE + (X-M)</p> <ul style="list-style-type: none"> <li>□ GDCF includes-           <ul style="list-style-type: none"> <li>➤ Gross Domestic Fixed Capital Formation, i.e. Inv't in Fixed Assets by household, Pvt Business, Govt</li> <li>➤ Changes in Inventory OR Inventory Investment</li> <li>➤ Net Acquisition of Valuables</li> <li>□ GDCF – Dep = NDCF</li> </ul> </li> </ul>
29	<p><b>If Value of Output is not given separately</b></p> <p><b>Value of Output</b> = Sales + Change in Stock            Where,  <b>Change in Stock</b> = Cl. Stock – Op. Stock</p>	
30	<p><b>Income Method</b></p> <p>Compensation of Employees + Operating Surplus (R, I, P) + Mixed Income of Self-Emp = <b>NDP fc + NFIA = NNP fc (National Income)</b></p> <p>O.E. <b>includes</b> - wages and sal., bonus, D.A., commission, <b>employers' contri.</b> to PF and imputed value of pay in kind.</p> <p><b>Profit</b> = Corp. taxes + Dividend + Undistributed Profits</p>	<p><b>Who is responsible for calculating National Income in India ?</b></p> <p>MoSP&amp;I → CSO → National Accounts Division which compiles <b>National Accounts Statistics (NAS)</b></p>
31		<p><b>Combination of methods</b> used in <b>India</b> to measure NI-</p> <ul style="list-style-type: none"> <li>➤ <b>Value-added method</b> → commodity producing sectors like agri &amp; mfg.</li> <li>➤ <b>income method</b> → small scale sector</li> <li>➤ <b>expenditure method</b> → construction sector</li> </ul>
32		<p><b>Method for measurement of NI in developed economies:</b></p> <p>Mostly <b>Income method</b> → sometimes expenditure method also used.</p>

✓ Study Economics & CA Inter FM/SM from **MVSIR** (online mode)- on **Ultimate CA platform**  
 ✓ Buy MVSIR's books & quiz- [mvsir.in](http://mvsir.in)

## CHAPTER 6 – NATIONAL INCOME | UNIT 1

29	<p><b><u>System Of Regional Accounts In India</u></b></p> <p><b>State Income or Net State Domestic Product (NSDP)</b> → value in <b>monetary terms</b> of qty of all G/S produced in <b>state</b> within a given <b>period of time</b> accounted <b>without duplication</b>.</p> <p><b>Per Capita State Income</b> → NSDP (State Income) divided by <b>mid-year projected population</b> of the state.</p> <p><b>Prepared by State Income Units</b> of respective State Directorates of Economics and Statistics (DESSs). <b>CSO assists</b> them.</p> <p>Certain activities like <b>railways, communications, banking</b> etc → <b>cut across state boundaries</b>, &amp; their <b>contribution cannot be assigned to any one state</b> → known as the '<b>Supra-regional sectors</b>'</p>	<p>d) <b>Non-market production &amp; Non-economic contributors</b> → <b>health, education levels etc.</b></p> <p>e) <b>Disutility of loss of leisure time</b></p> <p>f) <b>Economic 'bads': crime, pollution, traffic congestion</b> etc which make us worse off.</p> <p>g) <b>Volunteer work rendered without remuneration</b></p> <p>h) <b>Things that contribute to economic welfare-leisure time, fairness, gender equality etc.</b></p> <p>i) <b>Distinction between production that makes us better off &amp; which prevents us from becoming worse off</b>, for e.g. <b>defence exp</b> → <b>Increased exp on police</b> due to <b>increase in crimes</b> may incr. <b>GDP</b> but these <b>exp only prevent us from becoming worse off</b>.</p>
30	<p><b><u>Can GDP a country be taken as an index of welfare?</u></b></p> <p>No, since GDP measures <b>exclude</b> the following-</p> <p>a) <b>Income distributions</b></p> <p>b) Quality improvements due to <b>tech &amp; managerial innovations</b>.</p> <p>c) <b>Productions hidden from govt. (drugs, gambling etc.).</b></p>	<p><b><u>Limitations And Challenges of NI</u></b></p> <p><b><u>Conceptual difficulties</u></b></p> <p>1) <b>lack of an agreed definition</b> of NI</p> <p>2) <b>accurate distinction</b> between <b>final &amp; intermediate goods</b>,</p> <p>3) issue of <b>transfer payments</b>,</p> <p>4) <b>difficulty of incorporating distribution of income</b>,</p> <p>5) valuation of a <b>new good</b> at <b>constant prices</b>,</p> <p>6) services of <b>durable goods</b>,</p> <p>7) <b>valuation</b> of <b>govt. services</b></p>

## CHAPTER 6 – NATIONAL INCOME

Challenges

- 1) Inadequacy of data and lack of reliability of available data,
- 2) absence of recording of incomes due to illiteracy and ignorance,
- 3) lack of proper occupational classification, and
- 4) accurate estimation of consumption of fixed capital
- 5) production for self-consumption
- 6) presence of non-monetised sector,

Usefulness And Significance Of National Income Estimates

32

- 1) Framework for analyzing short-run performance.
- 2) Helps businesses to forecast future demand.
- 3) Economic welfare depends on value of national income
- 4) Composition of NI of different sectors & variations in them.
- 5) Provides quantitative basis for assessing & evaluating economic policies
- 6) Shows income distribution & inequality in its distribution. Make comparisons using ratios of investment, taxes, to GDP.
- 7) Guide to make policies for growth & inflation.

## CHAPTER 6 | UNIT 2 - Keynesian Theory of National Income

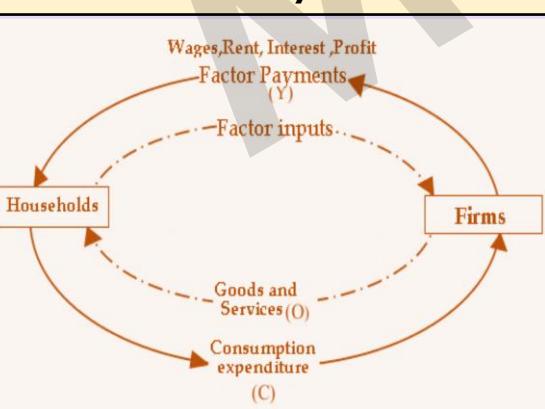
33

- In previous unit, 'ex post' (realized) values were used
- Eg- aggregate consumption (C) denotes what people have actually consumed
- In this unit variables are defined in 'ex-ante' (anticipated) terms or in terms of what is intended or planned.
- Ex-ante values are used to predict what equilibrium value of output or GDP is.

34

- Natural level of real GDP → Level of GDP where resources are fully employed.
- Before Keynes, classical economists said that economy is self-regulating & capable of automatically achieving equilibrium at 'natural level' of real GDP
- But, Keynes said that markets do not automatically lead to full-employment equilibrium.
- So, output will remain at less than full employment level unless there is insufficient spending.

## CHAPTER 6 – NATIONAL INCOME | UNIT 2

35	<p><u>3 models of economy as per Keynes</u></p> <p>1) <b>Two-sector</b> = household + business,      2) <b>Three-sector</b> = household + business + government,      3) <b>Four-sector</b> = household + business + govt. + foreign</p>	<p><b>38</b> <u>Consumption function</u> <math>\rightarrow C = a + b.Y_d</math></p> <p><b>39</b> <u>Average Propensity to Consume</u>  <math>APC = C / Y</math>      Consumption is <b>decreasing function of level of income</b>. (As income increases, APC decreases)</p>
36	<p><u>Circular Flow in a Simple Two-sector Model</u></p> <ul style="list-style-type: none"> <li>The <b>circular flow of income</b> is a process where the <b>national income</b> and <b>expenditure</b> of an economy <b>flow in a circular manner continuously</b> through time.</li> <li>In the figure-       <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Circular broken lines</b> - factor and product flows- 'real flows'</li> <li><input type="checkbox"/> <b>Continuous line</b> with arrows show <b>money flows</b></li> </ul> </li> </ul>	<p><b>40</b> <u>Marginal Propensity to Consume (MPC = "b")</u>  <math>MPC = \Delta C / \Delta Y = b</math>      Keynes <b>assumes</b>→      increase in cons. &lt; increase in <math>Y_d</math>  <math>(b &lt; 1)</math>. i.e. <math>0 &lt; b &lt; 1</math>  <b>MPC is slope of consumption line</b></p>
37	<p><b>Factor Payments</b>  <math>= \text{Household Income}</math>  <math>= \text{Household Expenditure}</math>  <math>= \text{Value of Output}</math>  <math>= \text{Total Receipts of Firms}</math></p> 	<p><b>41</b> <u>Saving function</u> <math>\rightarrow S = -a + (1-b).Y_d</math></p> <p><b>42</b> <u>Marginal Propensity to Save</u>  <math>MPS = \Delta S / \Delta Y = 1 - b</math>  <math>MPC + MPS = 1</math> ; <math>MPS 0 &lt; b &lt; 1</math>      Also, <b>MPS is slope of savings line</b></p> <p><b>43</b> <u>Average Propensity to Save</u>  <math>APS = S / Y</math>      Saving is <b>increasing function of level of income</b>. (As income increases, APC decreases)</p>

## CHAPTER 6 – NATIONAL INCOME | UNIT 2

	Y	C	S	MPC	MPS	APC	APS
44	0	50	-50	-	-	$\infty$	$-\infty$
	100	125	-25	0.75	0.25	1.25	-0.25
	200	200	0	0.75	0.25	1.00	0
	300	275	25	0.75	0.25	0.92	0.08
	400	350	50	0.75	0.25	0.88	0.12

Aggregate Supply (AS)

45 Ex ante AS  $\rightarrow$  **total supply of G/S** which firms **plan on selling** during a specific time period.

AS = Agg. Production = Factor Payments = Factor Incomes [National Income  $\rightarrow$  Y]

Aggregate Demand (AD)

46 Ex-Ante AD is total **planned expenditure** in the economy.

Equilibrium output

47 When **desired amount of output demanded equals amount produced**. (AS = AD)

48	<p><b>Two Sector Model</b></p> <ul style="list-style-type: none"> <li>➤ Household Sector &amp; Business Sector only</li> <li>➤ <math>AD = C + I</math> (<math>I</math> is assumed to be constant)</li> <li>➤ <math>AS = C + S</math></li> <li>➤ Equilibrium is achieved when - <math>AD = AS</math> or <math>C + I = C + S</math> or <math>I = S</math></li> </ul>
----	--

49	<p><b>Three Sector Model</b></p> <ul style="list-style-type: none"> <li>➤ Household + Business + Government Sector</li> <li>➤ <math>AD = C + I + G</math> (<math>I</math> &amp; <math>G</math> are constant)</li> <li>➤ <math>AS = C + S + T</math></li> <li>➤ Equilibrium is achieved when - <math>AD = AS</math> or <math>C + I + G = C + S + T</math> or <math>I + G = S + T</math></li> </ul> <p>Govt adds following flows to circular flow :</p> <ol style="list-style-type: none"> <li>1) <b>Taxes</b></li> <li>2) <b>Transfer payments &amp; subsidy payments</b></li> <li>3) <b>Govt purchases</b> <ul style="list-style-type: none"> <li>• G/S from business</li> <li>• factors of prod from household, and</li> </ul> </li> <li>4) <b>Govt borrowing in financial markets to finance deficits</b> (if any, when <math>G &gt; T</math>)</li> </ol>
----	---

## CHAPTER 6 – NATIONAL INCOME | UNIT 2

50	<p><b>Four Sector Model</b></p> <ul style="list-style-type: none"> <li>Household + Business + Govt. + Foreign Sector</li> <li><math>AD = C + I + G + (X - M)</math> (I, G &amp; X constant)</li> <li><math>AS = C + S + T</math></li> <li>Equilibrium is achieved when -  <math>AD = AS</math> or <math>C + I + G + (X - M) = C + S + T</math> or  <math>I + G + X = S + T + M</math></li> </ul> <p>Foreign sector adds following flows to circular flow :</p> <ol style="list-style-type: none"> <li>1) <b>exports</b>,</li> <li>2) <b>imports</b> and</li> <li>3) <b>net capital inflow</b> (capital inflow - capital outflow)</li> </ol> <p>If <math>(X &gt; M)</math>, then <b>NX is +ve</b>  → then <b>NI incr.</b></p> <p>If <math>(X &lt; M)</math>, then <b>NX is -ve</b>  → then <b>NI decr.</b></p>		
51	<p><b>Leakage &amp; Injection</b></p> <p><b>Leakage</b>- <b>Outflow of income</b> from circular flow model. Leakages are that part of income which is <b>not used to purchase goods of current year</b> or what households <b>withdraws</b>.</p> <p><b>Injection</b>- <b>Inflow of income to circular flow</b>→ leads to <b>increase</b> in volume of income.</p>	52	<p>When <math>AS = AD \rightarrow</math> <b>Leakages = Injections</b>  <b>Then national income will be in equilibrium.</b></p> <p>When <math>AS &gt; AD \rightarrow</math> <b>Leakages &gt; Injections</b>  <b>Stock Surplus or Deficient Demand</b> → <b>inventories will pile up</b> → <b>firms decrease production in future</b> → lead to <b>fall in output &amp; income in future</b>. (NI will fall)</p> <p>When <math>AS &lt; AD \rightarrow</math> <b>Leakages &lt; Injections</b>  <b>Stock Shortage or Excess Demand</b> → <b>unexpected sales</b> would draw down <b>inventories (stock-out)</b> → thus, <b>hiring more workers &amp; expanding production</b> (NI will rise)</p>

## CHAPTER 6 – NATIONAL INCOME | UNIT 2

54	<p><b>Inflationary Gap</b></p> <ul style="list-style-type: none"> <li>Excess Demand means, Actual AD &gt; Potential AD</li> <li>Excess demand → leads to 'inflationary gap'. Occurs during <b>expansion</b> → leads to <b>demand pull inflation</b>.</li> </ul>	<p>5. <b>undistributed profits</b> of companies 6. part of income used for <b>payment of debts</b> 7. <b>scarcity of G/S</b> despite having high MPC</p>
55	<p><b>Investment Multiplier</b></p> <p>Investment Multiplier (k) <b>explains how many times equilibrium NI increases</b> as result of <b>increase in autonomous investment</b>.</p> $K = \frac{\Delta Y}{\Delta I} \text{ or } \frac{1}{1 - MPC} \text{ or } \frac{1}{MPS}$	<p><b>How to solve numericals of equilibrium NI (Y) &amp; multiplier ?</b></p> <p><b>Step 1</b> : Find Disposable Income (Yd) in terms of <math>Y = Y - T - t.Y + TR</math></p> <p><b>Step 2</b> : Input the above value of Yd in consumption function <math>\rightarrow C = a + b.Yd</math></p> <p><b>Step 3</b> : At equilibrium <math>\rightarrow AS = AD \rightarrow</math> Thus, <math>Y = C + I + G + (X - M)</math></p> <p><b>Step 4</b> : Input value of "C" in above equation &amp; <b>find Y</b> (equilibrium NI).</p> <p><b>Step 5</b> : Find value of <b>multiplier</b> as per data given in question &amp; below summary-</p> <ul style="list-style-type: none"> <li>2 Sector <math>\rightarrow K = 1 / (1 - b)</math></li> <li>3 Sector <ul style="list-style-type: none"> <li>If prop. tax (t) is not given <math>\rightarrow K = 1 / (1 - b)</math></li> <li>If prop. tax (t) is given <math>\rightarrow K = 1 / 1 - [b(1-t)]</math></li> </ul> </li> <li>4 Sector <ul style="list-style-type: none"> <li>If prop. tax (t) is not given <math>\rightarrow K = 1 / (1 - b + m)</math></li> <li>If prop. tax (t) is given <math>\rightarrow K = 1 / 1 - [b(1-t)] + m</math></li> </ul> </li> </ul>
56	<p><b>Import</b> <math>\rightarrow M = M + mY</math></p> <p><b>Marginal propensity to import</b> <math>\rightarrow m = \Delta M / \Delta Y</math></p>	
57	<p>The more powerful leakages are - the smaller will be multiplier.</p> <p>The leakages are caused due to:</p> <ol style="list-style-type: none"> <li>progressive rates of taxation</li> <li>high liquidity preference</li> <li>demand met out of <b>existing stocks or imports</b></li> <li>additional income spent on purchasing <b>existing wealth</b></li> </ol>	