Consumption Function

We studied in the previous chapters about consumption forming the very basis of effective demand, output and employment. Keynes, in his theory of income and employment has devised some valuable tools of analysis in which 'consumption function' is one. In this chapter, we shall study the importance of consumption expenditure and the factors that determine consumption, in national income analysis.

The importance of consumption is very well known to us. It is for this that various activities are carried on in the economy. The major part of our income is made use of in consumption expenditure. Though investment expenditure may be nil in a community, consumption expenditure cannot fall to zero as we have to consume to live.

The important single determining factor in consumption is income. In a general sense, the greater the disposable income, the larger will be the consumption expenditure. Though consumption expenditure depends on income, it need not be equal to it.

Keynes' Psychological Law of Consumption

Keynes has enunciated the psychological law of consumption to explain the relationship between personal income and personal consumption. This is only a statement of common experience that the increase in income will lead to increase in consumption, but the latter will not be as fast as that of the former. Keynes states, "The psychology of the community is such that when aggregate real income is increased, aggregate consumption is increased, but not by so much as income." Keynes cited the law as follows: "The fundamental psychological law, upon which we are entitled to depend with great confidence both a priori from our knowledge of human nature and experience is that men are disposed, as a rule and on the average, to increase their consumption as their income increases, but not by as much as the increase in their

J.M. Keynes, The General Theory of Employment, Interest and Money (London) 1936 p. 27.

meome. This law of Keynes has come to be known as Propensity a eencume or Consumption function in macro economies,

The psychological law of consumption is based on the large, the language of people do not change, the language of people do not change, the language of people do not change the language of t The psychological law of course do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (ii) the spending tubits of people do not change; (iii) the spending t assumptions: (O the spending mons the income distribution, price is accome changes, other variables like income than bounded conding legal income changes, other variables that is no abnormal condition because the population, etc., remain unchanged. There is no abnormal condition, and reputation, etc., remain unchanged, and (iii) there is no interference of the people. government, controlling the consumption of the people,

The law consists of three propositions : (i) When aggregate income the law consists of time proposes but the expenditure increases, the expenditure also increases but the expenditure increases the mercuses, the expenditure also mercus as the income increases the urgent smaller proportions. The reason is that as the income increases the urgent smaller proportions. The leasen is the consumer is not very eager to specification and afterwards the consumer is not very eager to specification. wants are saustree and arternal and income increases, the extra income his extra income; (ii) Secondly, as income increases, the extra income the extra mediae, (i) decond, and saving, more so in the latter. This is 600 divided between spending and saving, more so in the latter. the result of the previous proposition. What is not spent is saved; when spending becomes less and less savings become larger and larger (iii) Thirdly, as income increases, both spending and savings go up.

The assumptions and propositions in the law are not imaginary of unreal. These are practical assumptions and inferences. Keynes psychological law of consumption is a reflection of the macro behavious of free consumers.

Significance of Keynes' Law of Consumption

Keynes' Psychological Law of Consumption, otherwise called The Consumption Function (a term coined by Keynes) is a brilliant tool of analysis discovered by Keynes. It has very valuable practical significance and implications.

- (1) Investment: This tool helps in making vital decisions of investment. Since the law says that there will be a gap between income and consumption as income increases, the widening gap has to be filled in by means of investment to maintain the income of the economy. If adequate investment is not forthcoming, the effective demand will shrink and ultimately the economy would meet with recession and depression So, this law throws light on investment decisions.
- (2) Repudiation of Say's Law: The law of Consumption of Keynes completely repudiates the law of markets. Since the consumption grows at a slower pace than income, 'every supply finding its own demand' is only a myth and a general overproduction and unemployment can occur in the economy.
- (3) Need for Intervention: In the free laissez-faire economy, there is no automatic adjusting mechanism to ensure the circular flow of income and expenditure as the entire income is not spent. This repudiates

the laissez-faire doctrine and asserts the need for government intervention to keep the effective demand at a higher level. Similarly, in rich countries there will be an over-saving gap. All these have to be set right only by means of government's intervention From the law of

- (4) Under-employment Equilibrium Keynes, the inference that economy will be in under-employment equilibrium is implicit. Full employment equilibrium could be attained only if investment happens to be equal to the gap between aggregate income corresponding to full employment and aggregate consumption expenditure out of that income. But in practice, typical investment demand would not be adequate to bridge the gap between income at full employment level and consumption. The aggregate demand and aggregate supply would meet at a point less than full employment. Again it is a repudiation of the classical full employment equilibrium and the assertion of under-employment equilibrium.
- (5) Secular Stagnation: When the income increases, the consumption expenditure lags behind. Consequently, the investment demand becomes weaker. If this condition persists and enlarges, a stage will be reached when the consumption will become poorer and poorer with no outlet for the savings. Such a condition is called secular stagnation. This can be avoided only by increasing consumption and effective demand.
- (6) Turning points in Trade Cycle: Finally, the law of Keynes is helpful in explaining the turning point in trade cycle. Before Keynes' publication of his General Theory, many theories tried to explain the causes that created the turning points in a trade cycle. All these were not satisfactory. Keynes' concept of a stable consumption function offers good explanation. When the business cycle reaches the highest point, consumption does not increase correspondingly to income and the downward swing starts. Similarly, when the cycle reaches the lowest point, income has declined, but consumption does not change or decline to the extent of decline in income, the upward swing starts.

Thus, Keyne's Psychological Law has immense significance and implications.

CONSUMPTION FUNCTION

What is meant by Consumption Function? This is a tool in the Keynesian analysis which establishes the relationship between income and expenditure. The consumption expenditures of the community are determined by the community's level of disposable income. The schedule that relates consumption to disposable income is called the Consumption Function. This is also called the Propensity to Consume. It is a schedule of intended consumption.

The consumption function is the relationship Y (income) and C (consumption) which can be represented as C = f(Y). At various levels of

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income, there will be corresponding levels of consumption and a series and the marginal propensities to consume income, there will be corresponding to propensities to consume, measured by the average and the marginal propensities to consume.

Average and Marginal Propensities to Consume Average propensity to consume refers to the total among

Average propensity to consume total income at a particular consumption expenditure out of the given total income at a particular consumption expenditure out of consume is the incremental characteristics. consumption expenditure out of the street in the incremental change period. Marginal propensity to consume is the incremental change period. Marginal propensity of a given increment in income. It refere period. Marginal propensity to consume in income. It refers to consumption as a result of a given increment in income. In show consumption as a result of a given additional income. In short additional consumption out of a given additional income. In short additional consumption to income additional consumption out of a given additional consumption of income average propensity to consume is the ratio of change in consumer. average propensity to consume is the ratio of change in consumption change in income.

Average Propensity to Consume = Total Consumption = C

where 'C' stands for consumption and 'Y' stands for income. Supposing where C stands for consumption as Rs.100 crores and its aggregate the community's aggregate income is Rs.100 crores and its aggregate the community's aggregate incommunity's aggregate incommunity stage Propensity's consumption expenditure is Rs. 75 crores, the average Propensity's

consume = $\frac{75}{100}$ or $\frac{3}{4}$ i.e., 75 per cent.

Additional expenditure on Consumption Marginal Propensity to Consume = Additional Income

where ΔC is incremental change in consumption and ΔY incremental change in income. Let us suppose, out of an additional incomed Rs. 100, a sum of Rs. 60 has been spent and the rest saved, the marging propensity to consume = $\frac{60}{100}$ = 0.6.

Generally, APC is expressed in percentage and MPC in fraction.

The normal relationship between income and consumption, indicated already, is that when income rises, consumption also rises, to an extent smaller than the rise in income.

The income of the family or the community is divided into two pa the Consumption and Savings. Income = Consumption + Savings, i Y = C + S. In the same way, we can explain the average and marginal propensity to save. This is just the opposite of consumption. Aver propensity to save means the amount of saving out of a given inco Marginal propensity to save implies the amount of additional savings

$$APS = \frac{Total Saving}{Total income} = \frac{S}{Y}$$

$$MPS = \frac{Additional Saving}{Additional Income} = \frac{\Delta S}{\Delta Y}$$

Since MPS and MPC together constitute ONE, we can find out one with the help of the other. MPS = 1 - MPC.

Consumption Schedule: Consumption schedule indicates the quantum of consumption and savings at different levels of income assuming other things constant. Given below is an imaginary schedule showing expenditure on consumption at various levels of income.

TABLE 7.1
EXPENDITURE ON CONSUMPTION AT VARIOUS INCOME LEVELS

Monthly			Average propensity to	Marginal propensity
Income in Rs.	Consumption	Savings	consume (Percentage)	to consume
1	2	3	3/1=4	5
1,000	1,000	и. О.	100	7 77 7
2,000	6 1,800 AC	200	90	0.8
3,000	2,500	500	work 83 bizog	0.7
4,000	2,800	1,200	70	0.3
5,000	3,000	2,000	ani 60 aus no	1
10 6,000 > 12	3,100	2,900	52	0.1
	A STATE OF THE PARTY OF THE PAR		*	

In the Table 7.1, Col. 4 shows APC and Col. 5 shows MPC for different levels of income. With increases in income, the expenditure goes up. But the propensity to consume is declining. When the Income is Rs. 2,000. APC is 90 per cent, when the income is Rs. 4,000, it is 70 per cent. So, when the income is increasing, the consumption is not increasing in the same proportion. Similarly, MPC is also declining. At Rs. 2000, MPC is 0.8 and at Rs. 5,000 it is 0.2.

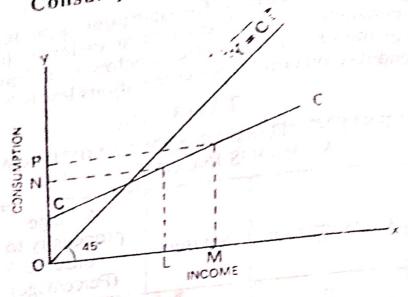
The Consumption Function Curve Figure 7.1 can also be represented in a graph taking income on x axis and consumption on the y axis.

The 45° line is a guideline denoting that any point on the line is equidistant from the two axes. This is a condition where the entire income is spent on consumption; or Y = C. The consumption function line CC is drawn as a straight line with a slope of less than one. When the income is OL, the consumers desire to spend ON. If the income rises to OM, the expenditure increases to OP. The consumers would spend OC even when their income is zero. At this point, the people draw on past savings, borrow or sell property to spend for consumption. The cutting of consumption curve in the y axis shows that a certain minimum amount of consumption expenditure is absolutely necessary irrespective of

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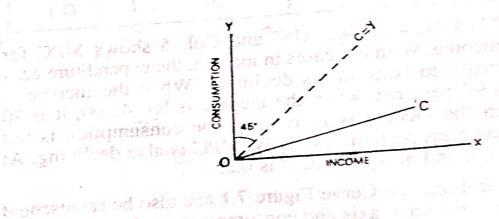
Consumption Function Curve



income. The straight line nature of the curve implies that as incomen consumers' demand increases by an amount which always bears the proportion to the increased income. The consumption function curve, is be of any shape. It may be above the guideline, or on the guideline, if may occupy a position below the guideline as shown in the Figure 7.

FIGURE 7.2

Consumption curve below the guideline



In the Figure 7.2, OC is a straight line starting from the origin. I implies that the consumers spend more with a rise in income, but always spend the same proportion of income.

The figure 7.3 indicates that when the income is zero, the consuctincurs a minimum expenditure of OC. This expenditure is kept consucting in the income reaches the level of OY. Afterwards, with the risk income, the consumption increases, but by less than the increase income. The diminishing slope of the curve between C₁ and C₂ shows proportion of income consumed falls progressively with a rise in income

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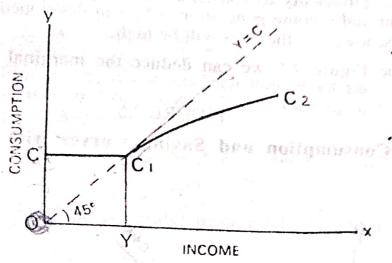
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FIGURE 7.3

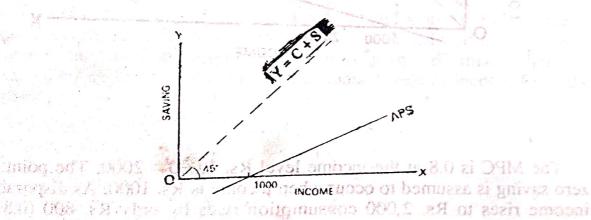
Consumption curve with diminishing slope



Besides consumption function, we have shown in the schedule, savings. The average propensity to save curve is drawn by taking different incomes and the corresponding savings. It is drawn in the same way as the consumption curve. APC and APS together will be equal to 45° guideline since Y = C + S. The APS curve is given in the Figure 7.4.

FIGURE 7.4.

APS Curve



It may be observed from the Figure 7.4 that at an income of Rs. 1,000 there is no savings as the entire income, is utilized for expenditure. Only beyond the level of Rs. 1,000 income, there is savings. Hence the curve cuts the horizontal axis at a point where S = Zero.

1980, 1987, (x 230) (x 2 30) are related parties and encome daily (000, to the first parties of the following construction in the first parties of the following construction in the first parties of the first parties of

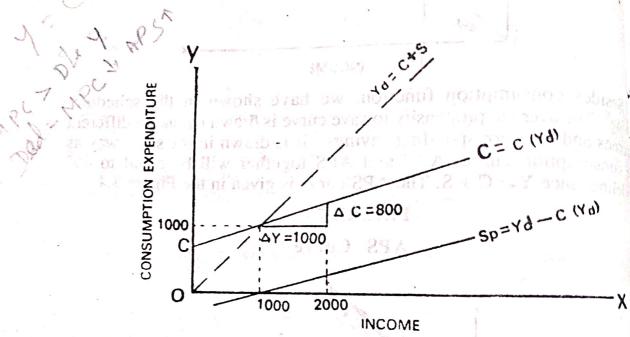
Importance of MPC and MPS

Marginal Propensity to Consume is, as already stated, the ratio of increased expenditure to increased income. This concept is of great

generation in the economy is divided begeneration in the economy is divided by generation. In poor consume will be greater in the propensity to consume while in developed or propensity to consume while it is the propensity to consume while the propensit This is a vital question relating to Capation will be greater in the property to consume will be greater in the property the marginal propensity to consume while in developed country and income generation, while in developed country and income generation, the marginal propensity to consume while in developed countries development and income generation, while in developed countries the APS will be high. MPC will be low, i.e., the APS will be high.

From the Figure 7.5 we can deduce the marginal property b = 0consume. FIGURE 7.5

Consumption and Saving Curves with MPC Rs.1 inco



The MPC is 0.8 at the income level Rs. 1,000 - 2000. The point zero saving is assumed to occur when income is Rs. 1000. As dispos income rises to Rs. 2,000 consumption rises by only Rs. 800 (0) 1,000) which means that savings must rise by Rs. 200 $(0.2 \times 1,000)$ when income rises to Rs. 2,000 the consumption expenditure risobta Rs. 1,800 and savings Rs. 200. At the disposable income level by Rs. 1,000 the community is so poor that it prefers to go into debt raFA than spend only its current disposable income on consumption.

Algebraically, we may state the hypothesis that consumption hor function of disposable income. This can be written as:

 $C = C(Y_d)$ where C stands for aggregate real consumption and actor presents aggregate real discrete real consumption and actor presents aggregate real consumption aggregate real consu represents aggregate real disposable income. In case the consumption one

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 $C = C_0 + bY_d$ where b is the marginal propensity to consume and C_0 is the level of consumption at zero disposable income. In our example b = 0.8. Therefore,

$$C = C_0 + 0.8 Y_d$$

From the Figure 7.5, it can be seen that at an income level of Rs.1,000 saving is zero. Consumption is therefore equal to disposable income at this point. Accordingly,

$$1,000 = C_o + 0.8 \times 1.000$$

 $C_o = 200$

In our example, if the disposable income falls to zero, consumption would fall to 200.

The equation for the schedule of intended consumption therefore becomes: -

$$C = 200 + 0.8Y_d$$

 because personal savings are only the difference between consumption and disposable income.

 $S_p = Y_d - C = Y_d - 200 - 0.8Y_d = -200 + 0.2Y_d$ is the equation for the savings function.

To have simpler explanation, we can say that income not consumed is income saved. So savings-income relation can be deduced from income-consumption relation. Savings at various levels of income can be obtained by subtracting consumption at those levels of income from the incomes.

Since MPC + MPS = 1

MPS =
$$1 - \text{MPC}$$
; (or)

MPS = $1 - \frac{\Delta C}{\Delta Y}$

Thus if we know the marginal propensity to consume, we can easily obtain marginal propensity to save by subtracting MPC from ONE.

FACTORS DETERMINING CONSUMPTION FUNCTION

The consumption function or the propensity to consume is not static and there are various factors influencing it for a change. Though in the short period, the propensity to consume will not change as the spending habit of the society does not change quickly — in a dynamic society, factors will be always operating to make the condition unstable.

We shall discuss some of the important factors that influence the consumption function. Since saving is a complement of consumption,

factors influencing consumption will be automatically affecting to

The causes governing consumption function can be classified.

The causes governing consumption function can be classified.

The causes governing consultation of the cause governing consultation of the ca (1) Subjective factors and (1) subjective factors by keynes who lists about eight motivies psychological factors by keynes who lists about eight motivies.

1. Subjective Factors

- (i) To build up a reserve against unforseen contingencies,
- (ii) To provide for an anticipated future relation between the and the needs of the individual or his family different from the exist at present, as for example, in relation to old age, family ed or maintenance of dependents.
- (iii) To enjoy interest and appreciation i.e., because a la consumption at a later date is preferred to a smaller im consumption.
- (iv) To enjoy a gradually increasing expenditure since it g common instinct to look forward to a gradually improving standa rather than the contrary, even though the capacity for enjoymen diminishing.
- (v) To enjoy a sense of independence and the power to d though without a clear idea or definite intention of specific action
- (vi) To secure a masse de manoeuvre to carry out speci business projects.
 - (vii) To bequeath a fortune.
- (viii) To satisfy pure miserliness, i.e., unreasonable, but inhibitions against acts of expenditure as such.

The above subjective motives are summed up by Keynes a of Precaution, Foresight, Calculation, Improvement, Inde Enterprise, Pride and Avarice. Keynes lists out the mi consumption also. They are Enjoyment, Shortsightedness, C Miscalculation, Ostentation and Extravagance.

In addition to savings accumulated by individuals due motives enumerated already, savings are accumulated by Cel and Local governments, institutions and business firms. The these savings are Enterprise, Liquidity, Improvement and Prudence.

According to Keynes, the subjective or psychological fac change in the short run and hence consumption function remains the short period.

J.M. Keynes. The General theory of Employment, Interest and Money (1) p. 108-109.

II. Objective Factors The list of factors under this category affecting consumption is a big one and we shall take up for discussion only very important factors.

- (i) Money Income: We have already studied how the money income of the individual is the dominant factor in determining his consumption and we have also studied the relationship between income, consumption and savings.
- (ii) Real Income: Keynes points out that the consumption is influenced by real income than by money income. A change in the price level will change the value of money and the purchasing power. Fluctuation in prices will affect real income and also the propensity to consume. Phenomenal rise in the price level will reduce the real income and so there will be a fall in the propensity to consume.
- (iii) Distribution of Income: The most important factor determining consumption function is the manner in which the income or wealth of the community is distributed. Normally the average and marginal propensities to consume will be higher for poor people than the rich; the reason being that the former will be living without many essential and basic needs of life and additional income will be fully made use of in consumption to satisfy basic wants. On the other hand, the rich may not be having many unsatisfied wants and hence their propensity to save will be higher. Statistical studies have proved that a large portion of investment has come only from the savings of the rich. Consumption will be low when there are gross inequalities of income in the country. Reduction of inequalities will increase the propensity to consume in the
- (iv) Fiscal Policy: The fiscal policy of the government relating to taxation, expenditure and public debt will appreciably affect the propensity to consume. Heavy indirect taxes will leave little money with the people of low-income groups and their consumption will get depressed. A reduction in taxes will leave more disposable income which can be used for consumption. Highly progressive system of taxation will reduce inequalities which will in turn increase the propensity to consume in the economy.
- (v) Financial policies of Corporations: If joint-stock companies and corporations adopt a 'fat dividend' policy, the disposable income of the shareholders will be high and consequently the propensity to consume will also go up.
- (vi) Expectations of future changes: If the people in the economy expect sudden changes in the future regarding their income, price-level or shortage of commodities or bumper harvest, the consumption function will change. During war, shortage of commodities will be expected and the consumers will rush to buy far in excess of their

needs. If they anticipate bumper crop or massive import which needs in the near future, consumption would be poster. needs. If they anticipate bumper crop....

needs. If they anticipate bumper crop...

reduce the prices in the near future, consumption would be postore to consume will become low, box

- (vii) Windfall gains and huge losses ; Sudden (vii) Windfall gains and mag-income or gains will increase the consumption function, while income or gains will increase the consumption. In the late twenties, while income or gains will increase the consumption. In the late twenties, while losses will reduce the consumption. In the late twenties, the stack market of U.S.A., increased the consumption will be the consumption of the cons losses will reduce the consumption....
 gains in the stock market of U.S.A., increased the consumption is
- (viii) Liquid Assets: When people have liquid assets, they (viii) Liquid Assets: When peop.
 be inclined to spend more and the consumption level will be high to be inclined to spend liquidity due to war financing will lead to be be inclined to spend more and the consumption of the might war periods, increased liquidity due to war financing will lead to help the might be min
- (ix) Rate of interest: Views differ regarding the role of interest in the classicals held the view that if the (ix) Rate of interest: Views unit in consumption function. The classicals held the view that if the interest in consumer less and save more less and save more. advantage of the higher interest rate. When interest rate falls, they the view advantage of the higher interest rate. consume more and save less. The classicals held the view consume more and save icss. The consumption varies inversely with the rate of interest on consumption and cons Keynes, the effect of rate of interest on consumption and saving short period influence of the interest. Keynes, the effect of rate of interesting complex and uncertain. "The short period influence of the interesting income is secondary." individual spending out of a given income is secondary and relative unimportant, except, perhaps where usually large changes a question." Only in the long period, changes in the rate of in influence social habits of the people which in turn affect consump Further changes in the rate of interest affect the purchase of du consumption goods on instalment basis. A rise in the rate of in makes the instalment purchase more expensive and the customer discouraged to buy goods. A fall in the rate of interest will inc consumption of goods purchased on instalment system.
- (x) Consumer durables: Consumption expenditure dependent the consumer durable goods available and demanded in the country. country had been enjoying prosperity for a long period, the people be possessing many durable goods with them like motor car, so machine, fridge and TV which would serve them for a long time. the people may not be spending on such items, but would save mo
- (xi) Demographic factors: The consumption expenditure differs family to family depending on demographic factors, though the inco happen to be the same for all families. 'Large-sized' families will more than 'small-sized' families. Occupation, residence, composit the family will determine expenditure. Normally urban-bred families spend more than rural families. Farmers and small businessme spend less than professional people. Families having children atte colleges will be spending more. In short, the propensity to college

depends on tastes, preferences, standard of living and aptitude and attitude of the people.

(xii) Duesenberry Hypothesis: Prof. Duessenberry has made two important observations regarding the factors affecting the consumption of an individual: (i) The consumption expenditure of the people not only depends on the current level of income, but also on the standard of living in the past. If income falls, no doubt, the expenditure will also fall, but not to the same extent, as the people will find it difficult to adjust their expenditure to changed conditions. (ii) Another important factor is what may be called the Demonstration Effect. An individual's consumption depends not only on the absolute amount of his income, but also on its size relative to incomes of others. For example, the low-income group will try to imitate the consumption standard of high-income groups. They will purchase fashion goods and costly commodities used by rich people. But, the moment low-income groups start using these goods consumed by higher-ups, the latter will avoid consumption of these commodities and go in search of still better or valuable commodities. This is what is called the Demonstration Effect which will have mutual reactions resulting in increased consumption

THEORIES OF CONSCINETION FUNCTION

then fines the development of constitution-focume analysis to Kenter. \$9) SIM SIMBLE REAL SAME REMEMBARS (SEEMS) IN THE THEORY OF CONCERNING AS function with the purpose of putting the consumption-mount relationship in the proper perspective Economics have developed a series of inconficie as order to reconcile the short-am analyzogamional and long-am progrational consumption succeed the that study only a sev major diesnes sunneced with company function is, thereto of consumer spending behaviour. The Abrahme Income Theory

The basic principle of this them; is that the individual consumer aspending. depends on the absolute level of his income. Other things being equal, an increase m absolute accome would lead to a decline in the fraction of that income derived to consumption.

This absolute income hypothesis has been derived from Keynes Psychological Law of consumption. The hypothesis puts forth three implied reactable and about income-consumption relationship

- (i) The current absolute consumption is related as a mile and on the average to the owner about the income C = fV).
- (ii) The consumption-meane relationship is reversible i.e. the people will 1984 Sommuples when their income fulls exactly on the same path sat in followed by it when there is a rise in income
- (10) Comments spending patterns are determined autonomously and the Consumers is quite independent of that of others.

In the motal years believing the publication of Kesnes' Centers Theory. then sconners accepted the absolute anome theory as correct, but this widespread acceptance of the theory was short-inval-

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nsumption Function

The theory states that increases in the aggregate income of all on the theory states that increase propensity to consume, or the fact that increase propensity the Consumption Function

The theory states that increases in the description of all consumption in the average propensity to consume, or the fractional lead to a decline in the average propensity to consume, or the fractional lead to a decline in the average propensity to consume, or the fractional state of all consumption. Since the actual level of aggregate is should lead to a devoted to consumption. Since the actual level of aggregate is The theory states the average properties actual level of aggregate is should lead to a decline in the average properties the actual level of aggregate is this income devoted to consumption. Since the actual level of aggregate is this income devoted to consumption of the economy, the theory leads to the actual level of aggregate is the actual level of aggregate should lead to a uccine this income devoted to consumption. Since the economy, the theory lead to this income devoted to consumption. Since the economy, the theory lead to this income devoted to consume the economy, the theory lead to the economy that the Average Propensity to Consume (APC) should be that the Average Propensity to Consume the Average Prope this income devotes with the growth of Consume (APC) should grows larger and larger with the growth to Consume (APC) should grows larger and larger with the growth of Consume (APC) should growth that the Average Propensity to Consume (APC) should growth the actual data does not support this conclusion that the Average Propensity to Consume (APC) should growth the actual data does not support this conclusion that the Average Propensity to Consume (APC) should growth the actual data does not support this conclusion that the Average Propensity to Consume (APC) should growth the actual data does not support this conclusion that the Average Propensity to Consume (APC) should growth the actual data does not support this conclusion that the actual data does not support this conclusion that the Average Propensity to Consume (APC) should growth the actual data does not support this conclusion that the Average Propensity to Consume (APC) should growth the Average Propensity to Consume (APC) should grow the Average Propensity to Consume (APC) grows larger and should should be conclusion that the Average Properties, and does not support this conclusion that the Average Properties, smaller and smaller. But the actual data does not support this conclusion and smaller and smaller and smaller and smaller and other aggregates derived by Kuznete. smaller and smaller. But the actual data smaller and smaller and other aggregates derived by Kuznets and Estimates of national saving and other aggregate saving ratio has remained almost Estimates of national saving and other aggregate saving ratio has remained almost by Goldsmith show that aggregate saving ratio has remained almost by Goldsmith show that aggregate savings showever, show that the savings by Goldsmith show that aggregate satisfies the savings rate of income. An attempt has her since the 1870s. The budget studies, he savings rate savings rate substantially with the rise in the level of income. An attempt has been substantially with the rise in the absolute income theory by maintaining. substantially with the rise in the level income theory by maintaining that reconcile the position of the absolute income theory by maintaining that reconcile the position of the absolute the basic income-consumption relationship is of non-proportional type, but the basic income-consumption of a proportional type because the the basic income-consumption relationship of a proportional type because the basic term data exhibits relationship of a proportional type because the basic term data exhibits relationship of a proportion has undergone unwanted term data exhibits relationship of the has undergone upward shift proportional consumption function has undergone upward shift proportional consumption function influencing the level of consumption consequence of factors other than income influencing the level of consumption of population of popu consequence of factors office the age-composition of population, appearence, urbanisation, change in the age-composition of population, appearence of factors of the factor new product etc.

Further, the reversibility of consumption-income relations autonomous character of a consumer's spending pattern from inco consumption patterns of other consumers have been forcefully contro

many prominent writers including Duesenberry.

Relative Income Theory

Relative income hypothesis was first formulated by Dorothy Brady Friedman. Additional empirical support to this hypothesis was provi work of Modigliani and James Duesenberry carried out at about the The relative income theory stresses the imitative or emulative consumption. The basic principle of this theory is that the fraction of income devoted to consumption depends on the level of its income the income of neighbouring families or other families with which i and not on the absolute level of the family's income. Thus, if a famil rises, but its relative position on the income scale remains unchang of the incomes of other families with whom it identifies have risen rate, its division of income between consumption and saving unchanged. With the rise in family's absolute income, its absolute of and absolute saying rises, but the ratio of the income devoted to c remains the same at the higher level of absolute income, as it was level. In case a family's income remains unchanged, but the income other families has changed, i.e., increased, the relative income that the deterioration in the relative position of this family would in the ratio of its income devoted in

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income has remained unchanged. The tendency to devote a larger proportion of income to consumption in this case results partly from the pressure on the family to "keep up with the Joneses" and partly from the fact that the family observes in its everyday living what to it are superior goods of other families and would be induced to spend as a result of "Demonstration Effect" stated by Duesenberry.

In some of the advanced countries a peculiar situation arises that almost 75 per cent of families virtually save nothing. The reason is not that they are poor, but the intense social pressure makes them consume more, as they come in contact with the superior spending patterns.

The Permanent Income Theory

Keynes emphasised upon the present income as the determinant of the present consumption spending, since he believed that the optimistic expectations of the consumers off-set their pessimistic expectations and thus the impact of expectations upon the consumption spending could be safely ignored. But, actually such off settings do not occur and the expectations of income in future do influence the consumption spending of the community. On the basis of consumers' expectations of incomes, Milton Friedman formulated this theory of Permanent Income hypothesis. This is very similar to Life-Cycle hypothesis developed by Modigliani in collaboration with Brumberg and Albert Ando. Although the two theories are very similar in principle, Friedman's version is more popular.

The Permanent Income theory, like the relative income theory, maintains that the basic relationship between consumption and income is of a proportional type; but according to this theory the relationship is between permanent consumption and permanent income. A family's permanent income in any one year is not indicated by its current income for that year, but is determined by the expected or anticipated income to be received over a long period of time, extending over a number of future years. In Friedman's words, permanent income "is to be interpreted as the mean income regarded as permanent by the consumer unit in question, which in turn depends on its horizon and farsightedness". The time period that is relevant to permanent income is the minimum period of time over which income influences must be maintained in order to make the receiver of that income regard them as permanent.

Friedman divides the family's measured income in the year into permanent and transitory components. Permanent component is the amount which the consumer unit could consume (or believes that it could) while maintaining its wealth intact. The transitory income component denotes unexpected additions and subtractions to income. The transitory income may be positive or negative. If a family wage-earner, for instance, gets a prize in one year which he has no

Consumption Function

reason to expect in the following years, this income element is considered reason to expect in the following years, this income element is considered reason to expect in the following and it raises his measured income as reason to expect in the following years, the reason to expect in the following years are reason to expect in the following years ar a positive transitory income, and it raises a positive transitory in the positiv permanent income. Similarly, it the factory, this income elemnoss of income, say as a result of lockout in the factory, this income elemnoss of income, say as a result of lockout in the factory, this income elemnose of income, say as a result of lockout in the factory, this income elemnose of income, say as a result of lockout in the factory, this income elemnose of income, say as a result of lockout in the factory, this income elemnose of income, say as a result of lockout in the factory, this income elemnose of income, say as a result of lockout in the factory, this income elemnose of income, say as a result of lockout in the factory, this income elemnose of income, say as a result of lockout in the factory. loss of income, say as a result of lockout income, and it reduces his mean considered to be a negative transitory income. These unforeseen additions considered to be a negative transitory. These unforeseen additions income below his permanent income are expected to cancel out over the subtractions from a family's income are expected to cancel out over the subtractions from a family's income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, but they are present in any shorter period relevant to permanent income, and the period relevant to permanent income are period relevant to permanent income. In the same manner, Friedman divides measured consumption

In the same manner, incomponents. An article purchased because of the permanent and transitory components. An article purchased because of the permanent and transitory components. permanent and transitory compositive and transitory compositive and permanent a of the article would provide instances of positive and negative trans consumption. As with measured income, a family's measured consumption any particular period may be larger or smaller than its permanent consump With these definitions, Friedman's basic argument is that perma consumption depends on permanent income. According to him, permanent consumption is a constant proportion of permanent income and this proportion depends only on the rate of interest, the ratio of "non-human" wealth to wealth (human plus non-human) and tastes. The permanent consumption different families with the same permanent income will thus differ account to their tastes and other specified characteristics. The ratio of perm consumption to permanent income is, however, considered to be indepe of permanent income. If we consider a group of families with identical and other factors which determines this ratio, the hypothesis in its en form holds that the proportion of each such family's permanent incomed to consumption will be the same irrespective of the level of their incom

Since the Permanent Income theory maintains that the family consu function relating permanent consumption to permanent income is a line from the origin, this theory directly leads to the conclusion that cha aggregate permanent income result in proportional changes in ag consumption. This particular conclusion reached by the permanent theory is the same as reached by the relative income theory, but differ that reached by the Absolute Income Theory. It may, however, be po that the conclusions are not strictly comparable, because the absolute and income theories are not expressed in terms of the same income and con concepts as used in the permanent income theory.

In spite of several weaknesses of this theory, Friedman's hypothes an important policy implication that the monetary and fiscal policies so managed that the adverse expectational patterns are not generated recession, the government slashes certain taxes and the disposable increases, the consumption spending may not increase because of two reasons:
(i) A sudden tax reduction should be treated as a part of transitory income and
it cannot influence consumption. (ii) Secondly, if the consumers consider tax
reduction as a sign of adverse economic situation in future, they cannot be
persuaded to increase the consumption spending even though the disposables
have gone up.