Unit-2 Lecture-7

The Theory of Consumer Behaviour

Consumer is assumed to be rational. Given his income and prices of the commodities in the market, he will plan his expenditure in such a way that it gives him maximum possible satisfaction or utility. Utility is the want satisfying power of a commodity.

there are two approaches which are used to explain the behaviour of the consumer in the market, one is cardinal approach and the other is `ordinal coproach ',

While the cardinalist school postulated that utility can be measured, the ordinalist school believed that utility is not measurable. According to them preference of the consumers can be ranked.

The cardinal theory is based on a number of assumptions.

Consumer às rational
Utility can be measured
Marginal utility of money is constant.
The marginal utility quined from successive units goes on diminishing.

Lets now try to understand the concept of marginal utility (MU), MUN is the marginal utility of the commodity N. E.G

Let x is capple A consumer is hungry and he is given apples to satisfy his hunger.

TU is the sum total of all the utility on satisfaction that the consumer gets after consuming all the apples.

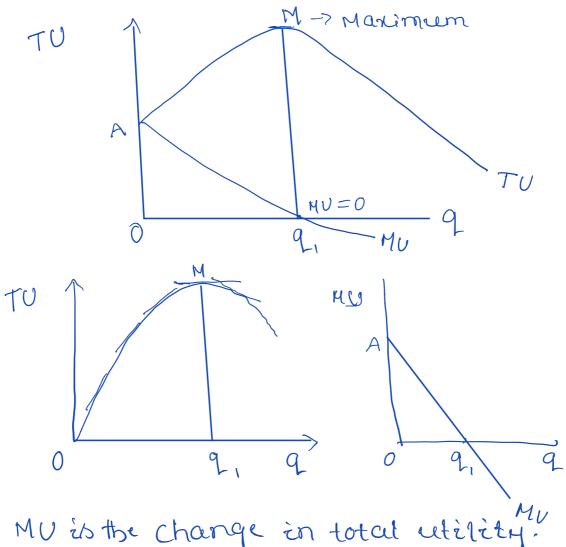
 $TU = f(\chi_1, \chi_2, \chi_3 - \cdots \chi_n)$

Unit	TU	MU			
1	201				
2	35 (15	(35-20)		OFU
3	45	10	(45-35)	MU	
4	53	08	(53 - 45)		99
5	58	05	(58-53)		
6	60	02	(60-58)		
7	60	О	(60-60)		
8	57	-3	(57-60)		

In the above table you can clearly see that Marginal utility (MVr) is the change in total utility (TUr) The difference between TU & MU is -

TU is the sum total of utility from consumption of all the units of x MUN is the utility of individual units of x.

The above table shows that when a consumer consumes more & more of a product, the marginal utility of successive units of the product goes on decreasing. This is called The law of diminishing marginal utility. The graphs below show the relation e between TU and MU.



Now let's try to underistand how does a consumer attain equilibrium when retility is measured in numbers. Let us assume that the consumer is buying a single commodity x.

TUX=f(9x) Pr->price of x Marinise TU-Pala 9x->quantity of K. $\frac{\partial T U_n - \frac{\partial P_n q_n}{\partial q_n} = 0$ Prega -> Corverneris expenditure on x. $\frac{\partial TU_{x}}{\partial q_{x}} = MU_{x}$ So MUN - PAL = 0 OR MUL = Pn When MUN 7 Pn, the consumer can purchase more of n & increase his utility when MUX < Pr, he can curtail his purchase until he és able to equate MUR with Pr. So in the cardinal approach, a consumer attains maximum satisfaction when MUR = Pr. Note: when U=f(x,y)

MUNIPN = MUY/PY

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