

PRINCIPLES OF ECONOMICS

Lecture 17 UTILITY AND LAW OF DIMINISHING MARGINAL UTILITY September, 2015



TOPICS TO BE DISCUSSED

1. UTILITY: Meaning

- Total Utility
- Marginal Utility
- Zero Marginal Utility
- Negative Marginal Utility

2. Law of Diminishing Utility



➤ Want satisfying power of a good/product.

>Utility is a subjective phenomenon

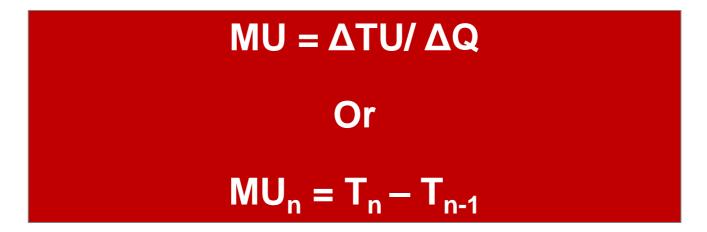
>Utility is not essentially useful and is independent of morality

CONCEPTS OF UTILITY

Total Utility- aggregate utilitys/satisfaction obtained from the consumption of different units of a commodity/product

TU = Summation of MU

Marginal Utility- addition made to total utility due to the consumption of one additional/extra unit of a commodity/product



MARGINAL UTILITY

- **Positive-** when total utility goes on increasing with the consumption of each additional unit of commodity
- Zero- when total utility does not change with the consumption of each additional unit of commodity
- Negative- when total utility falls with the consumption of each additional unit of commodity/product

CONCEPTS OF UTILITY

QUANTITY	TOTAL UTILITY	MARGINAL UTILITY	DESCRIPTION
0	0	-	
1	8	8	INITIAL
2	14	6	
3	18	4	POSITIVE
4	20	2	
5	20	0	ZERO
6	18	-2	NEGATIVE

LAW OF DIMINISHING MARGINAL UTILITY

According to Samuelson, "As the amount consumed of a good increases, the marginal utility of the good tends to decrease".

Assumptions of the Law:

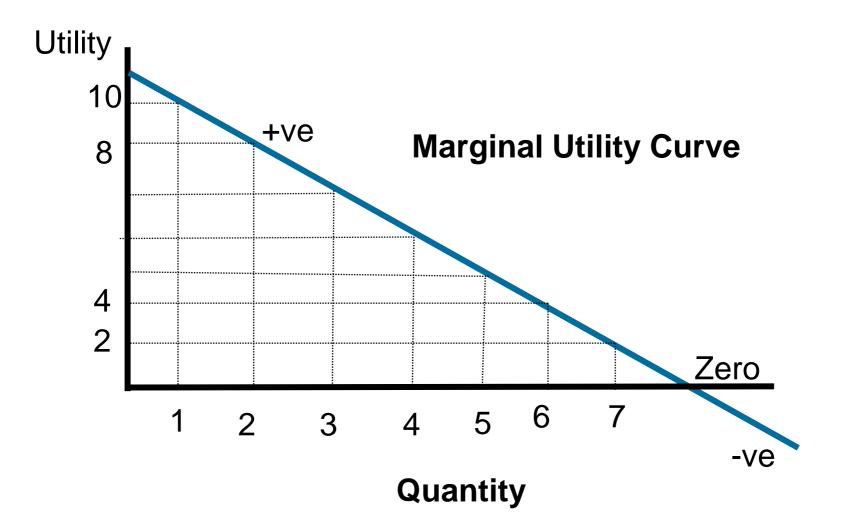
>Utility can be measured in cardinal numbers

- >There is no change in income of the consumers
- >No change in prices of substitutes/complimentary goods
- ➤Taste and preferences remain the same
- ≻Marginal utility of money remains the same

LAW OF DIMINISHING MARGINAL UTILITY

No. of Burgers	MARGINAL UTILITY
1	4
2	3
3	2
4	1
5	0
6	-1

LAW OF DIMINISHING MARGINAL UTILITY



CONCLUSION

- ➢As we consume more and more quantity of a product, marginal utility goes on diminishing
- Price of the commodity is always equal to its marginal utility
- ➢As such, consumer will buy more units of a commodity only if its price goes down

Thank You ③