- <u>DATE:</u> March 2014
- MODULE: PMIC6111
- TEXTBOOK REFERENCE: pg 153 -173
- THEME: ELASTICITY
- **OBJECTIVES:** BY END OF LEARNING UNIT 6 YOU SHOULD KNOW THE FOLLOWING:
 - DEFINE ELASTICITY

•

- EXPLAIN MEANING AND SIGNIFICANCE OF PRICE ELASTICITY OF DEMAND
- EXPLAIN MEANING OF SPECIFIC ELASTICITY COEFFICIENT eP = 1,8
- IDENTIFY VALUE OF e_{ρ} VARIOUS POINTS ON A LINEAR DEMAND CURVE
- CLACULATE PRICE ELASTICITY OF DEMAND USING ARC ELASTICITY FORMULA
- EXPLAIN LINK BETWEEN PRICE ELASTICITY OF DEMAND AND TOTAL REVENUE FROM SALES
- DISTINGUISH BETWEEN 5 DIFFERENT CATEGORIES OF PRICE ELASTICITY OF DEMAND
- EXPLAIN EFFECT ON TOTAL REVENUE OF A CHANGE IN SUPPLY WHEN DEMAND CURVES HAVE DIFFERENT ELASTICITIES
- EXPLAIN DETERMINANTS OF PRICE ELASTICITY OF DEMAND
- DEFINE AND CALCULATE CROSS ELASTICITY OF DEMAND AND CLASIFY GOODS ON BASIS OF CROSS
 ELASTICITY
- EXPLAIN MEANING AND SIGNIFICANCE OF PRICE ELASTICITY OF SUPPLY







LEARNING UNIT 6 > PRICE ELASTICITY OF DEMAND LOOKING AT DEMAND CURVE DEPENDENT VARIABLE = QUANTITY DEMANDED INDEPENDENT VARIABLE = PRICE OF PRODUCT > IN OTHER WORDS: THE QUANTITY DEMANDED DEPENDS ON THE PRICE > IMPORTANT: > PERCENTAGE CHANGES ARE USED (RELATIVE CHANGES NOT ABSOLUTE CHANGES) > PRICE ELASTICITY OF DEMAND IS RATIO OF % CHANGE IN QUANTITY DEMANDED TO PERCENTAGE CHANGE IN PRICE > ANSWER TO ELASTICITY CALCULATION IS A NUMBER - CALLED ELASTICITY COEFFICIENT ▶ ELASTICITY COEFFICIENTS HELP US COMPARE (REACTIONS OF DIFFERENT PRODUCTS TO CHANGES IN PRICES) > ANSWERS WILL BE **<u>NEGATIVE</u>** – PRICE AND DEMAND MOVE IN OPPOSITE DIRECTIONS















6

























CROSS ELASTICITY OF DEMAND

ec = <u>% change in quantity demanded of product A</u>
 % change in price of product B

- ➢ Negative coefficient: complementary good
- ➢ Positive coefficient: substitute good



Different categories of price elasticity of supply:

- > Perfectly inelastic supply ($e_s = 0$)
- > Inelastic supply ($0 < e_s < 1$)
- > Unitary elastic supply ($e_s = 1$)
- > Elastic supply $(1 < e_s < \infty)$
- > Perfectly elastic supply ($e_s = \infty$)











Determinants of the price elasticity of supply:

- ≻ Time
- ➤ Expectations
- Stockpiling
- Excess capacity
- Availability of inputs