CBSE

CLASS 12 | ECONOMICS



CHAPTER-4 | The Theory Of The Firm Under Perfect Competition

QUIZ PART-02

 What does price elasticity of supply measure? A. Responsiveness of demand to income 	6. If the price of a commodity increases by 20% and the quantity supplied increases by 40%,
B. Responsiveness of supply to technology	what is ES?
C. Responsiveness of quantity supplied to	A. 0.5 B. 1
changes in price	C. 2 D. 3 (C)
D. Responsiveness of cost to output (C)	Explanation: ES = $\%\Delta$ Qs ÷ $\%\Delta$ P = 40 ÷ 20 = 2, so
Explanation : Price elasticity of supply shows how much the quantity supplied changes when the	supply is elastic .
price of a good changes .	7. When the price of cricket balls rises from ₹10
2. What is the formula for price elasticity of supply	to ₹30 and output rises from 200 to 1,000
(ES)?	units, what is ES?
A. % Change in Demand ÷ % Change in Price	A. 1 B. 2
B. % Change in Supply ÷ % Change in Factors	C. 3 D. 4 (B)
of Supply	Explanation: ES = $(\Delta Qs/Qs) \div (\Delta P/P) = (800/200)$
C. % Change in Quantity Supplied ÷ % Change	\div (20/10) = 4 \div 2 = 2.
in Price	8. The market price of a good changes from ₹5 to
D. % Change in Price ÷ % Change in Quantity	₹20. Quantity supplied increases by 15 units,
Supplied (C)	and ES = 0.5. What is the initial output?
Explanation : Price elasticity of supply is calculated as	A. 10 units B. 15 units
the percentage change in quantity supplied	C. H20 units D. 30 units (B)
divided by the percentage change in price.	Explanation: Using the elasticity formula and
3. If ES = 0, how is supply described?	solving, the initial output is 15 units .
A. Elastic B. Perfectly Elastic	9. If ES < 1, supply is classified as:
C. Unitary Elastic	A. Perfectly Inelastic B. Elastic
D. Perfectly Inelastic (D)	C. Inelastic
Explanation: When ES = 0, a change in price has no	
effect on quantity supplied, meaning supply is perfectly inelastic .	D. Unitary Elastic (C)
4. If ES = ∞, how is supply described?	Explanation: An elasticity value less than 1
A. Perfectly Elastic B. Unitary Elastic	means the percentage change in supply is
C. Inelastic D. Elastic (A)	smaller than the percentage change in price,
Explanation: Perfectly elastic supply means that	so supply is inelastic .
even a tiny change in price results in an infinite	10. Which condition best describes elastic supply?
change in quantity supplied .	A. Price changes do not affect supply
5. When ES = 1, supply is called:	B. Supply responds more than proportionately
A. Inelastic B. Elastic	to price changes
C. Unitary Elastic	C. Supply responds equally to price changes
D. Perfectly Elastic (C)	D. Supply responds less than proportionately
Explanation : If the percentage change in quantity	to price changes (B)
supplied equals the percentage change in price,	Explanation: Elastic supply means the
supply is unitary elastic .	percentage change in quantity supplied is
own load Mis	greater than the percentage change in price .