CA FOUNDATION JAN 2025 FREE AGASTYA BATCH

BUSINESS ECONOMICS

Chapter-2

Theory of Demand and Supply

PREVIOUS YEAR QUESTIONS
By-LOVE KAUSHIK SIR



Q= Calculate Slope of Demand Curve when Price rises



from E15 to F18 and demand falls from 20 units to 14 units.

$$310pe = -\frac{\Delta P}{\Delta Q} = -\frac{3}{6} = -\frac{1}{2}$$
= -0.5

Q Calculate Price elasticity of Demand when slope of DD-curve is (-) 2 and Original Price & city is 5 and 10 respectively.

$$\begin{aligned} &\mathcal{E}_{p} = -\frac{\Delta \varphi}{\Delta p} \times \frac{\rho}{Q} \\ &= -\frac{1}{\sqrt{2}} \times \frac{\rho}{Q} \\ &= -\frac{1}{\sqrt{2}} \times \frac{\rho}{Q} \end{aligned}$$

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$$\end{aligned}$$



#Q. Mr. X and Mr. Y are rich rivals and, in a party, Mr. X wears an expensive dress and on seeing it Mr. Y who also has the same dress decided to reject the use of the same dress further. Rather Mr. Y will try to use an even more expensive one. Which effect affects Mr. Y?

- A Bandwagon Effect
- B Demonstration Effect
- C Snob Effect C
- D Veblen Effect



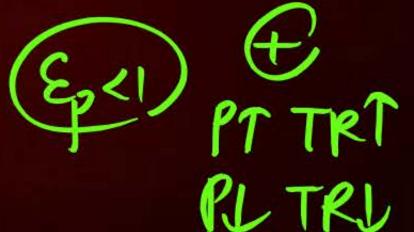
#Q. Suppose the price elasticity of demand of a firm for its product is 1.2. If the price of the product is increased by 5%, then it is most probable that: $\Sigma_{p} = \Theta_{1,2}$

A Both total revenue and profit would increase



B) Both total revenue and profit would decrease

Total revenue would decrease but profit may increase



Total revenue would increase but profit may decrease



#Q. The demand function of a product X (in kg.) is expressed as Q = 1000-50P, When price of X is 10 per kg., it's price elasticity will

be:



$$Q = \frac{1000 - 50P}{dp} \times \frac{P}{Q}$$

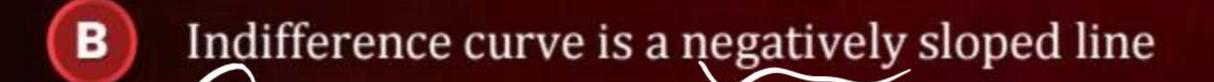
$$= -80 \times \frac{18}{50P}$$

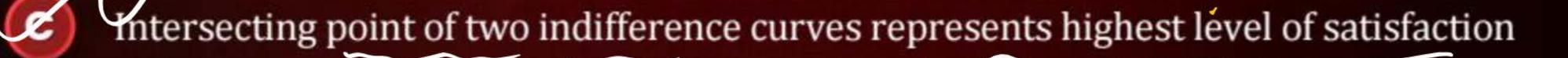
$$Q = 1000 - 50(10)$$
= 500

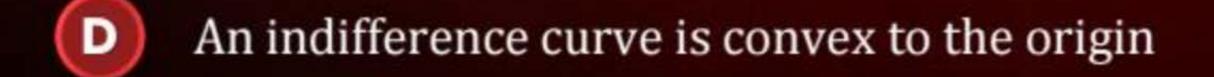


#Q. With respect to the properties of indifference curve which of the following statement is false?











#Q. The price of a commodity is ₹ 10 per unit. At this price quantity supplied is 500 units. Price elasticity of supply of the commodity is 1.25. At what price the quantity to be supplied would be 20% more?

$$(2p) = \frac{1.00}{1.0p}$$

$$1.25 = \frac{20}{1.0p}$$

$$1.25 = \frac{20}{1.0p}$$

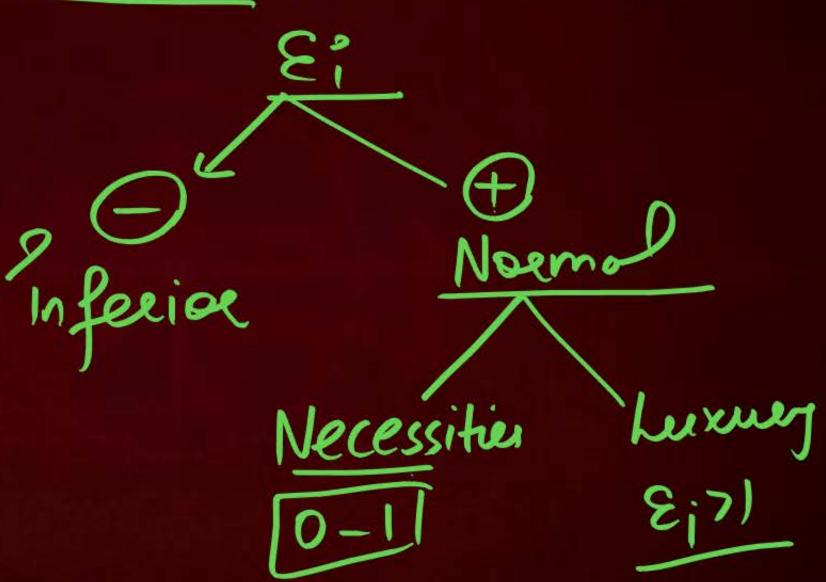
$$1.25 = \frac{20}{1.0p}$$

$$1.25 = \frac{61}{1.0p}$$



#Q. If the income elasticity of a specific types of goods is greater than one, what does it suggest about the goods?

- A It is an inferior goods
- B It is a normal goods
- C It is a necessity goods
- It is a luxury goods





#Q. An increase in consumer surplus is likely to occur when:

- A There is a rise in price of goods
- B There is a fall in price of goods
- C Demand decreases
- D Supply increases







#Q. Which tool does the ordinal utility approach uses to analyse consumer behaviour and is based on consumer preferences?

- A Indifference Curve Analysis
- B Law of Diminishing Marginal Utility
- C Elasticity of Demand
- Consumer Surplus



#Q. The price of 1 kg. of tea is ₹ 50. At this price, 10 kg. of tea is demanded. If the price of coffee rises from ₹ 30 to ₹ 40 per kg., the quantity demanded of tea rises from 10 kg. to 15 kg. What will be the cross price elasticity of tea?

$$\mathcal{E}_{c} = \underbrace{\Delta Q}_{X} \times \underbrace{P_{X}}_{QV} = \underbrace{\frac{3}{1}}_{10} \times \underbrace{\frac{3}{1}}_{10}$$



#Q. If change in quantity demanded is 60% and change in advertisement expenditure is 20% then what will be the advertisement elasticity?

- A 3 (A)
- **B** 0.33
- **C** 6
- **D** 20

$$\varepsilon_{\alpha} = \frac{\frac{1}{1.00}}{\frac{1}{1.00}} = \frac{3}{20}$$

QUESTION: January 2021



#Q. Effective demand depends on:

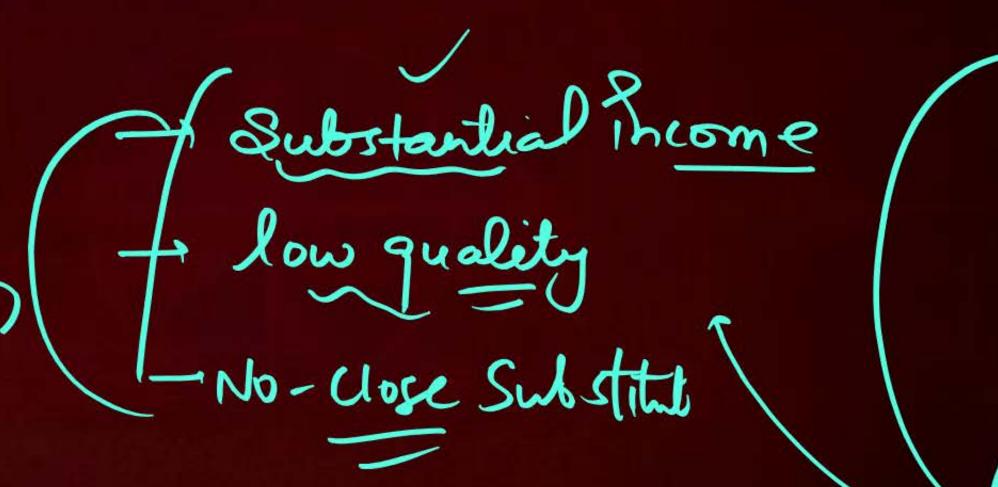
- A Price (A)
- B Cost
- **C** Desire
- D Product

QUESTION: July 2021



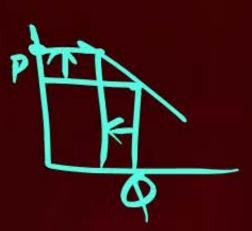
#Q. Goods which are inferior, with no close substitutes easily available and which occupy a substantial place in consumer's budget are called _____ goods.

- A Speculative
- B Prestige
- Conspicuous
- D Giffen





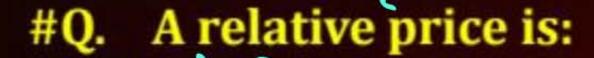
#Q. In case of Veblen goods, the demand curve is:





- A Horizontal
- B Vertical
- C Upward sloping to the right C
- Downward sloping to the right







- A Price expressed in terms of money
- B) What you get paid for baby-sitting your cousin
- The ratio of one money price to another
- Equal to a money price

QUESTION



#Q. A Symbolic statement of a relationship between the dependent and the independent variables is called as ______.

- A Function
- B Sets
- **C** Equation
- Variable

$$\sqrt{S_{x}} = f(-)$$



#Q. Which of the following is not an exception to the law of demand?

- A Speculative goods
- B Giffen goods
- C Necessary goods
- D Normal goods



#Q. Calculate the price elasticity of demand, when the price increases from ₹ 20 to ₹ 22 and quantity demand falls from 300 to 200 units (Midpoint method)

QD.

300

200

22

- A 4, 2
- B (-4.2) (B)
- **C** 4
- **D** -4

$$\begin{aligned}
\xi_{p} &= \frac{Q_{2} - Q_{1}}{P_{2} - P_{1}} \times \frac{P_{1} + P_{2}}{Q_{1} + Q_{2}} \\
&= \frac{-100}{3} \times \frac{420}{500} \\
&= -4.2
\end{aligned}$$



#Q. The price of a good decreases from ₹ 80 to ₹ 40 per unit. If the price elasticity of demand for the given product is 1.5 and the original quantity is 20 units, then the new quantity demanded will be:

- A 15 Units
- B 35 Units
- C 18 Units
- D 48 Units



#Q. Calculate the price elasticity of demand if the household increases his demand for commodity x from 80 units to 100 units and price of a product x decreases by 10%.





$$\mathcal{E}_{p} = \frac{1.00}{1.00} = \frac{25}{10} = \frac{2.5}{10}$$



#Q. The numerical value of elasticity of demand can assume any value between:

- A Zero and -1
- B) Zero and infinity (B)
- -1 and +1
- D Zero and +1



#Q. If the price of a gel pen increases from ₹ 40 to ₹ 50 and in response to this the quantity demand decreases from 25 units to 20 units. The coefficient of price elasticity will be:

- A 1.25
- B -1.25
- **c** 0.8
- D (-0.8)



#Q. Mr. Z went to a stationery shop to buy pens. The price of pen decreased from ₹ 5 to ₹ 3 per unit. If the price elasticity of demand for pen is 2.5 and the original quantity demand for pen is 20, then how much is the new quantity of demanded.

QUESTION



#Q. Suppose potatoes have (-) 0.4 as income elasticity. We can say from the data given that:

- A Potatoes are inferior goods
- B Potatoes are superior goods
- Potatoes are necessities
- There is a need to increase the income of consumers so that they can purchase potatoes



#Q. When two goods are unrelated then cross elasticity of demand will be_____.

- A 0
- **B** 00
- **c** 1
- **D** (-)



#Q. If the advertisement expenditure on X commodity increase by 20% and demand for it increases only by 5%. The advertisement elasticity of demand for X commodity is:

A (0.25) (A)

 $\frac{3}{2}a = \frac{5}{20}$

- **B** (-)0.25
- **C** 4
- D (-) 4



#Q. Which of the following statements about utility is incorrect?

- A Utility is ethically neutral
- B A commodity has utility even when it is not consumed
- Utility is subjective and varies from person to person
- Utility is the same thing as usefulness

QUESTION

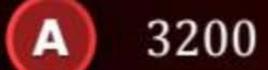


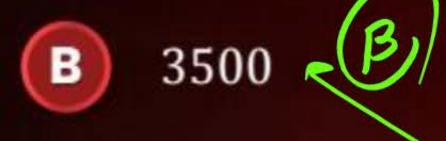
#Q. The concept of Consumer's Surplus was Propounded by ______

- A Alfred Marshall
- B Hicks and Allen
- C J. B. Say
- None of these



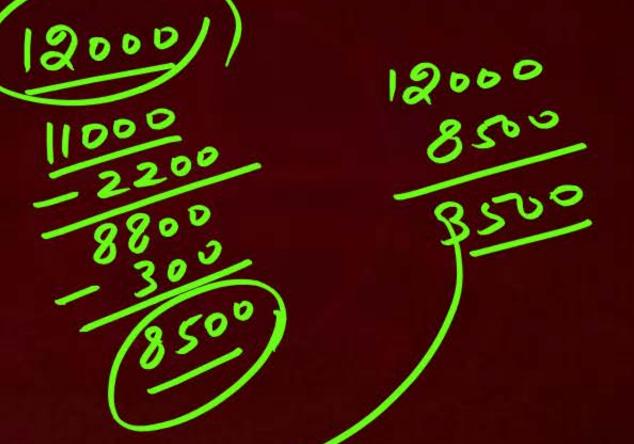
#Q. Ram wanted to purchase an Apple tab at ₹ 12,000/-. Actual price in the market (MRP) is ₹ 11,000/- and discount was given at 20%. Also there is an additional cash discount of ₹ 300. Find consumers surplus.







D 3300



QUESTION: CA CPT May 2019



#Q. Which of the following is not the property of indifference curve?

- A Slopes downwards to the right
- B Always convex to the origin
- Intersects each other
- Will not touch either of the axes

QUESTION: CA CPT May 2019, November 2020



#Q. Indifference curve is L shaped then two goods will be:

- A Perfect substitute goods
- B Substitute goods
- Perfect complementary goods
- D Complementary goods

QUESTION



Pelces

of the

#Q. The slope of the 'Price Line' indicates the ratio between

two goods.

Budget line = - Pr



- B Quantities demanded
- C Quantities Sold
- Marginal Utility

QUESTION: CA CPT May 2018, January 2021

#Q. Supply is a _____ concept.



- B Stock
- Flow and Stock, Both
- Qualitative



QUESTION: CA CPT May 2019



#Q. Contraction of supply implies ___



- A Decrease in cost of production
- B Decrease in price of the good concerned
- C Decrease in price of related good
- Increase in price of the good concerned

PL SL



QUESTION: June 2022



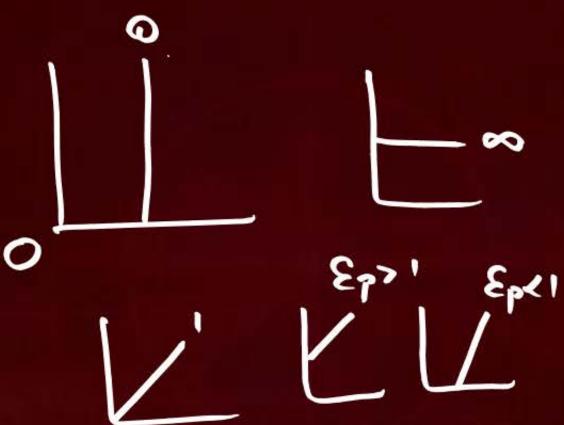
#Q. A vertical supply curve parallel to the Y-axis exhibits that the elasticity of supply is:







Inelastic



QUESTION



#Q. The supply function is given as Q = -100 + 10P. Find the elasticity using point method, when price is $\frac{1}{5}$.

- A 4
- B -3 ×
- **C** -5
- D 3 D

$$Q = -100 + 10(15)$$

$$= -100 + 150$$

$$= (50)$$

$$= (50)$$

$$= \sqrt{2} \times \sqrt{2}$$

$$= \sqrt{3} \times \sqrt{3}$$

$$= \sqrt{3} \times \sqrt{3}$$



#Q. Consumption of high-priced goods by status seeking rich people for conspicuous consumption is called as _____

- A Snob effect
- Bandwagon effect
- Demonstration effect
- Veblen effect





#Q. Price of goods expresses value of ________.



- (A) Exchange (A)
- (B) Cost
- © Demand
- D Fair



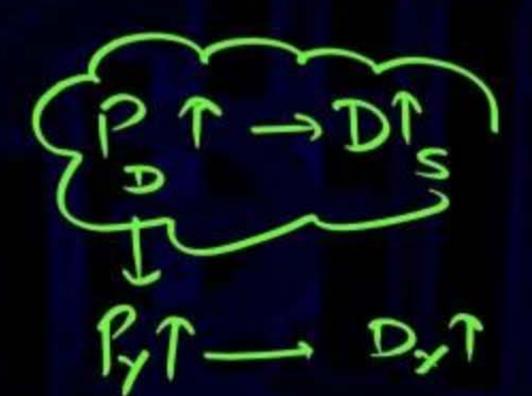
#Q. The substitution effect will be what when the price of the product falls?

- (A) Zero
- B Negative
- Positive C
- D Lower cost



#Q. Increase in price of pulses leads to increase in demand of green vegetables. The pulses and green vegetables are

- (A) Substitutes (A)
- (B) Complimentary goods
- C Normal goods
- None of the above





#Q. Due to increase in price of coffee, the demand for tea increases. The two commodities under consideration are:

- A Substitute goods (B)
- (B) Complementary goods
- C Unrelated goods
- Producers goods





#Q. The demand for petrol decreases due to increase in its price, it is termed as:



- (A) A decrease in demand
- B A change in demand
- (c) A contraction in demand
- An increase in demand



Price of > Change in Oty DD Demand _ Reason Change Other than Peice of own good Change in DD



Change in Aty DD Movement on DD-curve

UPWAY Downward Expansion Contraction 200 PTDI PLOT



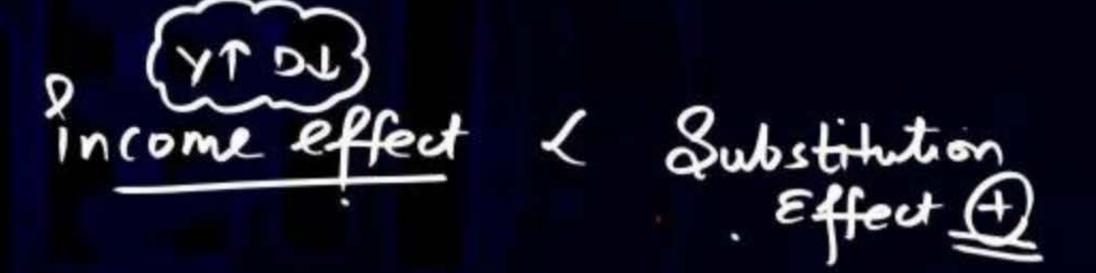
#Q. Which of the following is not an exception to the law of demand?

- (A) Giffen goods PT Dr
- B Speculative goods
- Conspicuous goods
- White goods



#Q. If the demand of Bajra decreases due to decrease in its price, then Bajra is a:

- A Superior good *
- B Inferior good B
- © Necessary good
- D Luxury good 🖊





#Q. Movement along the same demand curve represents:



- (A) Change in demand
- Change in Quantity demand
- C Increase in demand
- Decrease in demand



#Q. Leftward shift of demand curve of coffee represents:

- (A) Decrease in demand (A)
- B Increase in demand
- Contraction
- Expansion



#Q. If the proportionate change in price is greater than the proportion. ate change in quantity demanded of a commodity, the price elasticity of demand will be:

- (A) Zero
- B Inelastic B
- © Elastic
- Infinite



#Q. If the price of a gel pen increases from ₹ 40 to ₹ 50 and in response to this the quantity demand decreases from 25 units to 20 units. The coefficient of price elasticity will be:

- (A) 1.25
- **B** -1.25
- **c** 0.8
- D (-0.8)



#Q. Mr. Z went to a stationery shop to buy pens. The price of pen decreased from ₹ 5 to ₹ 3 per unit. If the price elasticity of demand for pen is 2.5 and the original quantity demand for pen is 20, then how much is the new quantity of demanded.

(a) 10
(b) 20 + 20 = 40(c) 30
(c) 30
(d) 20 + 20 = 40(e) 20 + 20 = 40(f) 20 +



#Q. For which of the following product elasticity of demand is highly elastic?

(July 2021)

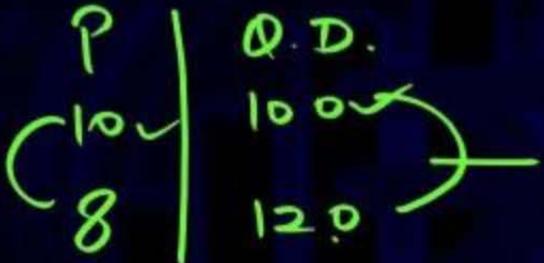


- B Life-saving medicines
- © water
- D Jewellery



#Q. The price of X commodity decreases from 10 to 8, owing to which its demand increases form 100 to 120 units. Calculate the price elasticity of demand.

(A)(-)1)(A)





c 0.8

Ep =
$$\frac{\Delta Q}{\Delta P} \times \frac{\Gamma_1}{Q} = \frac{2P}{2} \times \frac{19}{100} = 1$$

D 1.2



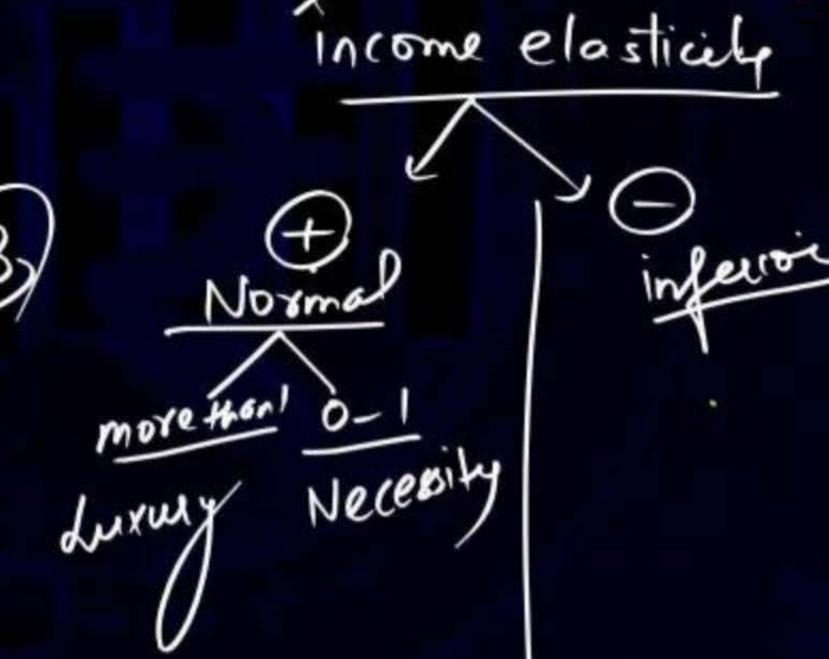
#Q. Suppose there is an increase in income by 15%, which increases demand by 30% the income elasticity of demand will be ______.

- (A) 0.67
- **B** 0.5
- © 2/C
- **D** 1.0



#Q. When oranges has - (0.58) income elasticity the commodity orange is called as ______.

- (A) Orange is a necessary good
- B Orange is a inferior good (B)
- Orange is a substitute good
- (D) None





#Q. The price of 1 kg. of tea is ₹ 30. At this price, 5 kg. of tea is demanded. If the price of coffee rises from ₹ 25 to ₹ 35 per kg., the quantity demanded of tea rises from 5 kg. to 8 kg. The cross price elastic of tea

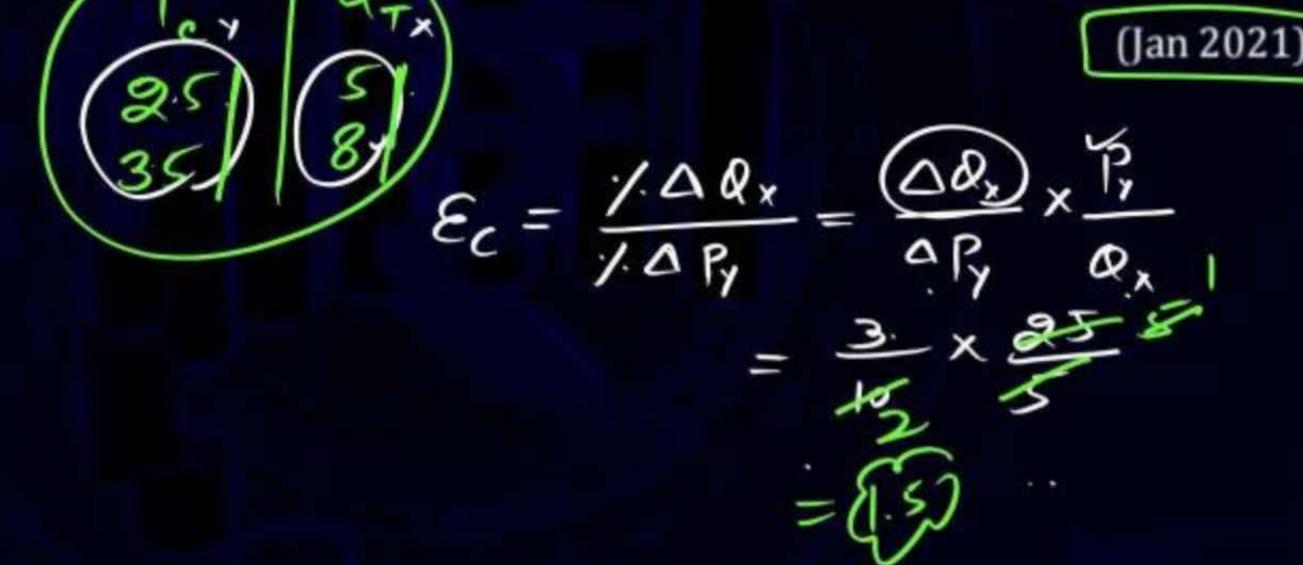
is ______













#Q. If the advertisement expenditure on X commodity increase by 20% and demand for it increases only by 5%. The advertisement elasticity of demand for X commodity is:

- (A) (0.25) (A)
- (-) 0.25
- **(c)** 4
- (-) 4

$$\frac{5}{20} = 0.25$$



#Q. Consumer's surplus = what the consumer is ready to pay minus

[June 2022]

- (A) What is actual price of the product
- (B) What is income of the consumer
- What he actually pays
- What is actual surplus



#Q. A point above the budget line of a consumer represents

- (A) Represents costs less than the whole consumers income.
- (B) Represents combination of goods which costs whole of consumers income
- Represents a combination which is totally unattainable.
- Represents a combination that is attainable



#Q. Due to introduction of 5G mobiles in the market, the price of such mobiles has increased by 20% and there by supply increased by 40% the elasticity of supply will be which of the following?

- (A) 0.5
- **B** -0.5
- **(c)** -2
- D (2)



#Q. When No. of tourists increase at a place for which the room rent of hostel also increases. Then the elasticity of supply of room will be

Ογο (June 2023)

- (A) Zero
- (B) (B)
- **c** >1
- \bigcirc =1



Chap. 1, 2, 6, 7, 10

Thanakya 2:0

Chanakya 2:0 chap 3 (4) 5, 8, 9

Augustya



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