

Q. 42 Originally, a product was selling for ₹ 10 and the quantity demanded was 1,000 units. The product price changes to ₹ 14 and as a result, the quantity demanded changes to 500 units. Calculate the price elasticity. [NCERT] 3

Q. 43 When price of the commodity reduces from ₹ 5 per unit to ₹ 4 per unit, expenditure on the commodity reduces from ₹ 60 to ₹ 48. Find price elasticity of demand. 3

Q. 44 The quantity demanded of a commodity at a price of ₹ 8 per unit is 600 units. Its price falls by 25 per cent and quantity demanded rises by 120 units. Calculate its price elasticity of demand. Is its demand elastic? Give reason for your answer. [CBSE Delhi 2005] 4

Q. 45 The price of a commodity is ₹ 10 per unit and the quantity demanded at this price is 50 units. Its price falls to ₹ 6 per unit. How much will be its quantity demanded at the new price if price elasticity of demand is 0.5? [CBSE Delhi 1998] 3

Q. 46 The price of mangoes goes up by 8% and the total expenditure by a family on mangoes goes up by 8%. What can we say about the elasticity of demand for mangoes by this family? 1

Q. 47 A 5 per cent fall in the price of X leads to a 10 per cent rise in demand for X. A 2 per cent rise in the price of Y leads to a 6 per cent fall in demand for Y. Calculate price elasticity of demand of X and Y. [CBSE Delhi 2000C] 3

Q. 48 A consumer buys 10 units of good X at a price of ₹ 5 per unit. The price elasticity of demand for this good is 2. Price falls to ₹ 4 per unit. How many units of good X will he now buy at this price? [CBSE (AI) 1999] 3

Q. 49 The price of a commodity is ₹ 50 per unit and its quantity demanded is 500 units. Its price rises to ₹ 60 per unit and quantity demanded falls by 90 units. Calculate its price elasticity of demand. Is its demand elastic? Give reason for your answer. [CBSE (AI) 2005] 4

Q. 50 When the price of a commodity falls from ₹ 20 per unit to ₹ 16 per unit, its quantity demanded rises from 1,000 units to 1,160 units. Calculate its price elasticity of demand. Is its demand inelastic? Give reason for your answer. [CBSE (AI) 2005] 4

Q. 51 A consumer buys 40 units of a good at a price of ₹ 3 per unit. When price rises to ₹ 4 per unit he buys 30 units. Calculate price elasticity of demand by the total expenditure method. [CBSE Delhi 2007] 4

Q. 52 A consumer buys 80 units of a good at a price of ₹ 5 per unit. Suppose price elasticity of demand is (-) 2. At what price will he buy 64 units? [CBSE Delhi 2007] 4