Q. 25 When price of a good falls by 10 per cent, its quantity demanded rises from 40 units to 50 units. Calculate price elasticity of demand by the percentage method.

[CBSE (AI) 2007] 4

Q. 26 When price of a good rises from ₹ 5 per unit to ₹ 6 per unit, its demand falls from 20 units to 10 units. Compare expenditures on the good to determine whether demand is elastic or inelastic.

[CBSE Delhi 2008] 3

Q. 27 A consumer buys 50 units of a good at a price of ₹ 10 per unit. When price falls to ₹ 5 per unit he buys 100 units. Find out price elasticity of demand by the 'total expenditure method'.

[CBSE (AI) 2007] 4

Q. 28 The price elasticity is 0.5. The percentage change in quantity is 4. What will be the percentage change in price?

[NCERT] 3

Q. 29 As the price of peanut packets increases by 5%, the number of peanut packets demanded falls by 8%. What is the elasticity of demand for peanut packets?

[NCERT] 3

Q. 30 As the price of a product decreases by 7%, the total expenditure on it has gone up by 3.5%. What can we say about the elasticity of demand for the product?

[NCERT] 3

Q. 31 Find out elasticity of demand from the following table:

3

Price Per Unit	Quantity Demanded
₹ 10	20 kg
₹ 9	25 kg

Q. 32 Compare the elasticity of demand of Commodity A and B on the basis of the following information:

3

Commodity A		Commodity B	
Price Per Unit	Total Expenditure	Price Per Unit	Total Expenditure
₹ 4	20	₹ 3	15
₹ 5	15	₹ 4	16

Q. 33 At a price of ₹ 20 per unit, the quantity demanded of a commodity is 300 units. If price falls by 10%, its quantity demanded rises by 60 units. Calculate its price elasticity of demand.

[CBSE 2003] 3

Q. 34 A consumer buys 100 units of good X at ₹ 5 per unit. The price elasticity of demand for the good is (–)2. At what price will he be willing to buy 140 units of good X? [CBSE Delhi 2002] 3

The consumer should be willing to buy 140 units at the price of ₹ 4 per unit.

Q. 35 The price elasticity of demand is 2. The percentage change in price is equal to 5. Find percentage change in quantity.

[NCERT] 3

Q. 36 When the price is ₹ 5.00 per unit a consumer buys 40 units of a commodity and his price elasticity of demand is (–) 1.5. How much will he buy if the price is reduced to ₹ 4.00 per unit?

[CBSE Delhi 1994 C] 3

The consumer will buy 52 units of the commodity when price reduces to ₹ 4 per unit.

Q. 37 When the price of a good rises from ₹ 10 per unit to ₹ 20 per unit, its demand falls from 100 units to 50 units. Find out price elasticity of demand by the percentage method.

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[CBSE Delhi 1995C]

Q. 38 A consumer buys 20 units of a good at ₹ 10 per unit. When its price falls by 10 per cent its demand rises to 22. Find out price elasticity of demand.

[CBSE (AI) 1995] 3

Q. 39 Price of a good falls from ₹ 5 to ₹ 4 per unit. As a result, its demand rises from 100 units to 125 units. Find out price elasticity of demand by total outlay method.

[CBSE (AI) 1994] 3

Q. 40 When price of a commodity falls by 80%, the quantity demanded increases by 100%. Find out price elasticity of demand.

3

Q. 41 Price of a commodity rises from ₹ 4.00 per unit to ₹ 5.00 per unit and quantity demanded falls from 20 units to 10 units. Using (i) Proportionate Method and (ii) Total Expenditure Method, find out price elasticity of demand.

4