



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT No. 4

SUBJECT: ECONOMICS

CLASS-XI

Oct,2025

MICROECONOMICS

CH REVENUE

- Q1 What is Average Revenue? How is it related to price in a perfectly competitive market?
- Q2 Explain the concept of Marginal Revenue with an example.
- Q3 State the relationship between Marginal Revenue and Total Revenue.
- Q4 Differentiate between Average Revenue and Marginal Revenue.
- Q5 If a firm's Total Revenue increases at a diminishing rate, what happens to its Marginal Revenue? Explain.
- Q6 Under which market condition is Average Revenue equal to Marginal Revenue? Why?

CH PRODUCER'S EQUILIBRIUM

- Q1 State the condition of Producer's Equilibrium using the Marginal Revenue and Marginal Cost approach.
- Q2 Explain the two conditions necessary for a producer to be in equilibrium under the MR-MC approach.
- Q3 Can a producer be in equilibrium when Marginal Revenue is greater than Marginal Cost? Give reason.
- Q4 Under perfect competition, why is price equal to both AR and MR for a firm? How does this help in achieving equilibrium?
- Q5 A firm's $MR = ₹10$, and $MC = ₹8$ at output level 100 units, and $MR = MC = ₹10$ at 110 units. Is the firm in equilibrium at either of these levels? Why/Why not?
- Q6 Why is the second-order condition (MC must be rising) essential in the MR-MC approach of equilibrium?

STATISTICS

CH GRAPHIC PRESENTATION

- Q1 Given below is the frequency distribution of marks obtained by students:

Marks Range No. of Students

0 – 10	5
10 – 20	10
20 – 30	15
30 – 40	20
40 – 50	10

Construct a **histogram** to represent the data.

Q2 Using the above data , construct a **frequency polygon** on the same graph as the histogram.

CH ARITHMETIC MEAN

Q1 Calculate the mean for the following data:

X (Marks) f (No. of Students)

10	2
20	4
30	3
40	1

Q2 Calculate the mean of the following data using the **direct method**:

Class Interval Frequency

0 – 10	4
10 – 20	6
20 – 30	10
30 – 40	5
40 – 50	5