



मानविकी एवं सामाजिक विज्ञान विभाग  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
प्रयागराज 211004, भारत  
Department of Humanities and Social Sciences  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj - 211004 (India)

**Mid Semester (Even) Examination 2023-24**

Programme Name: B.Tech.

Semester: IV

Course Code: HSN14602

Course Name: Business Economics

Branch:

Student Reg. No:

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Duration: One and Half Hour

Max. Marks: 25

**Instructions: Attempt all five questions. All questions carry equal marks.**

1. Explain the Principles of Opportunity Cost and Equi-Marginal with the help of suitable examples.
2. Discuss various objectives of business firms. As an entrepreneur which one of the objectives you should prefer and why?
3. Explain the Law of Demand and exceptions to the law of demand. Discuss with the help of graphs.
- 4a. At a price of Rs 4, the demand for the good is 25 units. If the price of the good is raised to Rs 5, as a result, the demand for the good falls to 20 units. Calculate the price elasticity and comment upon the nature of elasticity.
- 4b. Find the income elasticity of demand for a consumer if his income increases from Rs 1,00,00 to Rs 1,50,000 and the quantity of Basmati Rice purchased by him rises from 25 kgs to 30 kgs. Calculate and comment upon the income elasticity.
5. Distinguish between the following:
  - a. Micro Economics and Macro Economics
  - b. Movement along the demand curve and Shift in the demand curve



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### End Semester (Even) Examination 2023-24

Programme Name: B.Tech.

Semester: IV

Course Code: HSN14602

Course Name: Business Economics

Branch: Chemical/Civil Engineering

Student Reg. No:

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Duration: 2.5 Hours

Max. Marks: 50

**Instructions: Attempt any five questions. All questions carry equal marks.**

1. Explain the law of variable proportions in terms of the behavior of total product, marginal product, and average product with the help of a production schedule and curves.
2. Referring to the following schedule calculate and fill the required columns. Graphically explain why the Average Cost curve is U-shaped.

Output (units)	Total Cost (₹)	Marginal Cost (₹)	Average Cost (₹)
0	0	?	?
1	25	?	?
2	40	?	?
3	54	?	?
4	68	?	?
5	85	?	?
6	120	?	?
7	168	?	?

3. Explain the characteristics of different forms of market structure found in an economy. In your opinion which of the forms is suitable for the Indian Economy?
4. Highlighting Indian governmental initiatives taken to promote startups for their financing in the country. Explain various modes of financing a startup business.
5. Explain how pricing differs for a business firm in a perfect competitive market and a monopoly market. Also, show through graphs the determination of output and profit in a business firm under a perfectly competitive market.
6. Short Notes (attempt any two)
  - a. Cross Elasticity of Demand.
  - b. Break Even Point.
  - c. Positive Economics vs Normative Economics.