

3E1200**3E1200****B.Tech. III-Sem. (Main/Back) Examination, January - 2025****Artificial Intelligence & Data Science****Managerial Economics and Financial Accounting****Common to All Branches****Time : 3 Hours****Maximum Marks : 70****Instructions to Candidates:**

Attempt all ten questions from Part A, five questions out of seven questions from Part B and three questions out of five questions from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/ calculated must be stated clearly. Use of following supporting material is permitted during examination. (Mentioned in form No.205)

PART - A**(Answer should be given up to 25 words only)****All questions are compulsory.****(10×2=20)**

- 1.** Define the term economics.
- 2.** What do you mean by profit and loss statement.
- 3.** Differentiate between monopoly and monopolistic competition.
- 4.** What do you mean by opportunity cost.
- 5.** What does financial accounting mean.
- 6.** Why do economic problems arise.
- 7.** What do you mean by marginal product of an input. How is it calculated.
- 8.** What are the determinants of supply.

9. What does liabilities mean.
10. What does the circular flour model depicts.

PART - B

(Analytical/Problem solving questions)

Attempt any Five questions. $(5 \times 4 = 20)$

1. Explain the inductive and deductive methods of economic analysis.
2. Discuss the concept of kinked demand curve under oligopoly.
3. Write short notes on ratio analysis.
4. Explain the concept of demand and elasticity of demand.
5. Discuss the concept of least cost combination of inputs.
6. Discuss various concepts of National Income.
7. Explain the methods of demand forecasting.

PART - C

(Descriptive/Analytical/Problem Solving/Design question)

Attempt any Three questions. $(3 \times 10 = 30)$

1. Critically examine the methods of evaluating capital budgeting proposals.
2. Discuss the price and output determination under perfect competition.
3. Using suitable diagram, explain the law of variable proportions.
4. Explain with the help of curves, relationship between various cost concepts.
5. What do you mean by balance sheet. Discuss.