

**II B. TECH II SEMESTER REGULAR EXAMINATIONS, JULY - 2022**  
**ENGINEERING ECONOMICS AND MANAGEMENT**  
**(CSE-IoT and Cybersecurity including Blockchain Technology)**

Time: 3 hours

Max. Marks: 70

**Note:** Answer **ONE** question from each unit (**5 × 14 = 70 Marks**)

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UNIT-I

1. a) Define Economics. Explain the nature and scope of economics. [7M]

b) Discuss the different types of Price elasticity of demand. [7M]

(OR)

2. a) The following data is available for two successive periods: [7M]

|               | Period 1 | Period 2 |
|---------------|----------|----------|
| Sales         | 50,000   | 1,20,000 |
| Fixed cost    | 10,000   | 20,000   |
| Variable cost | 30,000   | 60,000   |

Calculate (i) P/V ratio

(ii) Breakeven point

(iii) Margin of safety

b) Discuss different types of cost concepts. [7M]

UNIT-II

3. a) Explain the features of Monopoly market. [7M]

b) Elaborate the importance of GST (Goods and Service Tax). [7M]

(OR)

4. a) Differences between CRR and SLR. [7M]

b) Describe the role and functions of Reserve Bank of India. [7M]

UNIT-III

5. a) Explain the different views expressed on the functions of management. [7M]

b) Illustrate the functions and objectives of HRM. [7M]

(OR)

6. a) Summarize 14 principles of management as outlined by Henry Fayol. [7M]

b) Discuss the segmentations of Marketing Management. [7M]

## UNIT-IV

7. a) Explain the different types of accounting concepts. [7M]  
 b) Prepare a trail balance from the following accounting records. [7M]

| Accounts          | Rs.      |
|-------------------|----------|
| Capital           | 64,000   |
| Sales             | 1,74,000 |
| Purchases         | 1,54,000 |
| Carriage inwards  | 1,300    |
| Purchase returns  | 2,000    |
| Carriage outwards | 1,800    |
| Sales returns     | 4,000    |
| Furniture         | 600      |
| Premises          | 24,000   |
| Motor van         | 3,000    |
| Opening stock     | 32,000   |
| Debtors           | 26,000   |
| Drawings          | 2,000    |
| Creditors         | 8,700    |

(OR)

8. a) Explain the rules for drawing network diagram. [4M]  
 b) The table gives a list of activities and their duration. [10M]

| Activity         | 1-2 | 2-5 | 1-3 | 1-4 | 3-5 | 4-6 | 5-6 |
|------------------|-----|-----|-----|-----|-----|-----|-----|
| Duration in days | 8   | 10  | 4   | 6   | 6   | 8   | 4   |

You are required to,

- i) Draw the network diagram ii) Find EST, LST, EFT and LFT  
 iii) Identify critical path and project completion time.

## UNIT-V

9. a) Discuss various types of capital budgeting. [7M]  
 b) Elucidate Capital budgeting process and its importance. [7M]

(OR)

10. A Company has at hand two proposals for consideration. [14M]  
 The cost of the proposals in both the cases is Rs. 5, 00,000 each. A discount factor of 12% may be used to evaluate the proposals. Cash inflows after taxes are as under.

| Year | Proposals X<br>(Rs.) | Proposals Y<br>(Rs.) |
|------|----------------------|----------------------|
| 1    | 1,50,000             | 50,000               |
| 2    | 2,00,000             | 1,50,000             |
| 3    | 2,50,000             | 2,00,000             |
| 4    | 1,50,000             | 3,00,000             |
| 5    | 1,00,000             | 2,00,000             |

Calculate NPV & Profitability index

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