31749 **M-1568**

Sl.N **Total No. of Pages : 3**

IV Semester M.Com Examination, June/July - 2017

(Scheme : CBCS)

COMMERCE

Elective Group E : Paper 2 : Management Accounting

SC : Cost Management

Time : 3 Hours **Max. Marks : 70**

PART - A

Answer any five questions. Each question carries Five marks. **[5 × 5 = 25]**

1. What is the relevances of sunk cost for shortrun decisions?

2. Distinguish between opportunity cost and Committed cost.

3. What is Activity Based Costing?

4. What is C-V-P analysis?

5. Solve the following graphically.
   Min $C = 3x_A + 4x_B$
   Subject to; $2x_A + 1x_B \geq 100$
   $2x_A + 4x_B \geq 200$
   $X_A \geq 0$
   $X_B \geq 0$

6. Define "Pivotal column".

7. What are 'Slack variables'?

8. Determine the number of units to be sold to generate a profit of ₹. 25,00,000/- when fixed costs amounts to 50% of desired profit and contribution is 40%.

P.T.O.

PART - B

Answer any three questions. Each question carries ten marks. [3 × 10 = 30]

9. A firm can manufacture two products. One generates a profit of Rs. 10/- per unit [Product Alfa] the other product [Beta] generates a profit of Rs. 20/- per unit, subject to the following.

$6x_A + 12_B \leq 1200$

$4x_A + 8x_B \leq 4000$

Provide an optimal solution for the firm.

10. From the following calculate Break Even sales.

year	Sales (Rs)	Total cost (Rs)
2015	28,80,000	25,92,000
2016	43,20,000	37,44,000

11. Solve the following problem by using transportation algorithm.

	M1	M2	M3	M4	
W_1	40	22	06	12	10
W_2	10	18	20	4	20
W_3	36	14	08	01	30
	6	6	24	24	

12. Explain the managerial uses of marginal costing.

13. Explain the role of linear programming models in arriving at optimal solutions for complex business problems.

PART - C

14. Case study: Compulsory [1 × 15 = 15]

The following information relates to 6 sub activities involved in a project.

Activity	Immediate Predecessor	Estimated time requirement (in days)
A	NIL	2
B	A	3
C	A	4
D	B&C	6
E	-	2
F	E	8

You are required to prepare a PERT chart to determine the minimum time required to complete the project.

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