

**Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE
AND ECONOMICS, PONDA-GOA**

**M.COM. (SEMESTER-IV) EXAMINATION, APRIL 2016
ACCOUNTING & FINANCE
CO4A3 COST MANAGEMENT (OB10A)**

Duration: 2 hours

Total Marks: 38

Instructions: Answer all questions.

Q1] Write short note on: (3X2=6)
a) ROI method
b) Cost pools and Cost drivers
c) PERT v/s CPM

Q.2.A] Explain the benefits and problems of responsibility accounting. (8)

OR

Q.2.B] Explain the various causes of labour turnover. (8)

Q.3.A] Explain different phases in product life cycle. (8)

OR

Q.3.B] Define activity based costing and explain steps to develop ABC system. (8)

Q.4.A] Explain the practical applications of linear programming technique. (8)

OR

Q.4.B] Explain the different factors affecting learning curve. (8)

Q.5.A] A company has four distribution depots and 4 orders to be delivered to separate customers. Each depot has one lorry available which is large enough to carry one of these orders. The distance between each depot and each customer are given below:

Depot	Distance in miles customer			
	I	II	III	IV
A	68	72	75	83
B	56	60	58	63
C	38	40	35	45
D	47	42	40	45

How the orders should be assigned to the depots in order to minimize the total distance travelled. (8)

OR

Q.5.B] A company wants to purchase at most 3600 units of a product. There are two types of product P1 and product P2 available. Product P1 occupies 3 cubic feet and cost Rs. 9. Product P2 occupies 1 cubic feet and cost Rs. 13. The funds available are Rs. 39000 and the space available in the warehouse is 6,000 cubic feet. The company gets a profit of Rs. 3 and Rs. 4 for product P1 and product P2 respectively. The problem is to find the quantities of P1 and P2 to purchase so that total profits are maximized.

Formulate the above as a linear programming problem to maximize the total profits and solve this problem by using graphic method. (8)