

**SMT.S.I.PATEL IPCOWALA COLLEGE OF COMMERCE, PETLAD**  
**M.COM SEM-IV QUANTITATIVE TECHNIQUES IN MANAGEMENT PB04ECOM 27**

DATE- 19 -02-2019, Tuesday

TIME: 9:45 TO 10:45

TOTAL MARKS: 40

Que.1

(a) Explain in reference to PERT & CPM: Activity, Dummy activity, Float time and Free float.

(b) Draw PERT Chart and find Float time for each activity.

Activity	1-2	2-3	2-4	3-5	3-6	4-6	4-7	5-8	6-8	7-8
Days	2	3	5	4	1	6	2	8	7	4

O.R

(a) What is mean by Inventory Model? Explain any one Model in detail.

(b) The cost of of an item is 2 Rs. and Selling price is 4 Rs. How many units are to be prepared per week by the manufacture best strategy ?

Demand per week	20	25	40	60
Numbers of weeks	5	15	25	5

Que.2

(a) Write short note: 1. EMV 2. EVPI

(b) Find EOQ and total cost if  $R=200$ ,  $C_3= 100$ ,  $I= 2\%$  given.

Quantity	Price per unit(In Rs.)
$1 \leq q_1 < 500$	10
$500 \leq q_2$	9.25

O.R

What is mean by T.Q.M ? Write Deming's fourteen points of Quality Management.