

IV B.TECH II SEM – REGULAR / SUPPLEMENTARY EXAMINATIONS MAY -2010**MANAGEMENT SCIENCE**

**Common to Information Technology, Computer Science And Engineering,
Computer Science And Systems Engineering**

Time: 3 hours**Max Marks: 80**

**Answer any FIVE Questions
All Questions carry equal marks**

1. Define work measurement. What are its objectives? [16]
2. What are the steps involved in corporate planning? [16]
3. What do you mean by Balanced Score Card? What are its advantages? [16]
4. Explain how an employee's grievance would be processed through various stages of grievance machinery. [16]

5. A project has nine activities, the expected time of each activity is as follows:

S.No	1	2	3	4	5	6	7	8	9
Activity	1-2	1-3	2-4	3-4	4-6	5-6	3-5	5-7	6-7
Expected Time	6	8	7	12	3	5	7	11	10

- (a) Draw the project network
 - (b) Identify the critical path
 - (c) Find project duration
 - (d) Find slack time at each event? [4×4]
6. Differentiate between 'Line organisation' and 'Functional organisation'. [16]
 7. A manufacturer requires 2000 units of an item per annum. The cost of placing an order is Rs. 10 per order and inventory carrying cost is 16% per year per unit of average inventory. The purchase price is Re. 1 per unit on the quantities below 1000 units. A discount of 5% is offered if the item is purchased in lots of 1000 units or above and there is a 7% discount if the whole annual requirement of 2000 units is purchased in a single lot. Find the economic order quantity and the number of orders to be placed in a year. [16]
 8. "Despite the existence of plethora of theories of motivation, we are still in search of a suitable theory of motivation". Explain this statement. How does contingency theory of motivation try to bridge this gap? [16]
