

II B.Tech II Semester Supplementary Examinations, April/May 2005
MANAGEMENT SCIENCE
(Common to Electronics & Communication Engineering and Electronics & Telematics)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Distinguish between effectiveness and efficiency. Discuss the factors, which make an effective manager.
2. What is mission? What are the determinants of mission?
3. Compute control limits for the following 4 days and state whether the percentage defective falls within the control limits for each day.

Date	No. of T.V. Components Inspected	No. of defectives
Aug. 3, 2002	100	15
Aug. 8, 2002	160	14
Aug. 13, 2002	200	19
Aug. 23, 2002	170	21

4. Is HRM a line or staff function? Explain.
5. Discuss the concept, role and utility of ABC analysis as applied to inventory Control.
6. (a) What is work study? Discuss its main objectives.
 (b) Outline the procedure used for conducting method study.
7. (a) Discuss in brief
 - i. Total float
 - ii. Free Float and
 - iii. Independent float.
 (b) Explain the use of floats in CPM network.
8. The following table gives the information about various activities of a project network.

Activity	Normal duration (Days)	Normal Cost (Rs)	Crash duration (Days)	Crash Cost
1-2	9	8000	7	10,000
1-3	5	5000	3	8000
2-3	7	7000	5	8600
2-4	8	6000	6	7000
3-4	6	9000	4	11400

The overhead costs are Rs.1300 per day. Determine the optimum cost and duration of the project.
