

IV B.Tech II Semester Supplementary Examinations, Apr/May 2006
WORK STUDY & INDUSTRIAL ENGINEERING PRACTICES
(Production Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What are the objectives of Method Study?
(b) Which are the recording techniques used in the Method study Improvement?
Explain [8+8]
2. Describe with an example one of the recognized charts of method study. Explain as to how this chart is made and used? [16]
3. (a) Describe the nature and uses of activity sampling.
(b) The following information is collected during the work sampling study. Total study time = 8 hours, Number of pieces produced during this period = 20, the percentage of 'working' from the work sampling study has been found as 85% . The average performance index noted = 120% . Personal and delay allowances = 15% . Determine the standard time per piece? [8+8]
4. What principles would you bear in mind when effecting improvements in work place layout and what techniques could be employed? [16]
5. How does Industrial engineering help to improve productivity of an enterprise?[16]
6. (a) What do you understand by wage and salary? What are the characteristic differences between them?
(b) Explain briefly the factors influencing the wages. [2×8=16]
7. (a) What is training? Explain the benefits of training to the employees and the organization?
(b) Explain the various steps involved in planning the training programmes? [8+8]
8. (a) Explain "Job safety analysis" state its necessity.
(b) Explain the importance of safety while at work to the
 - i. Management
 - ii. worker[8+8]
