

CODE NO: NR422004 SET NO.3

2005 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

**IV B.TECH. II SEMESTER SUPPLEMENTARY EXAMINATIONS
WORK STUDY & INDUSTRIAL ENGINEERING PRACTICES
(PRODUCTION ENGINEERING)**

JULY -2005

TIME: 3 HOURS MAX MARKS:80

*Answer any FIVE Questions
All Questions carry equal marks*

1. (a) What are the advantages of Method Study?
(b) Explain in detail the various steps involved in Systematic methods of improvement.
2. Write short notes on
 - (a) Motion picture camera
 - (b) String Diagram
3. (a) What do you mean by work content? Explain
(b) What different allowances are provided to arrive at standard time? Explain
4. What principles would you bear in mind when effecting improvements in work place layout and what techniques could be employed?
5. (a) What is the future scope of Industrial Engineering in India?
(b) How a linear programming and simulation can be organized by Industrial Engineering department?
6. Explain the various steps involved in job evaluation
 - (a) job description
 - (b) job specification job specification
 - (c) Point system of job evaluation
 - (d) Factor comparison method
7. You have been asked to train employees to use personal computers. What factors would you consider in designing the program?
8. Write a note on the following
 - (a) Accident prevention
 - (b) Environmental effects of accident
 - (c) Safety program
 - (d) Accident report