

**MASTER OF BUSINESS ADMINISTRATION
(TEXTILE MANAGEMENT) (MBATEXM)**

Term-End Examination

00780

December, 2014

**MCTE-046 : INDUSTRIAL ENGINEERING PRACTICES
IN TEXTILE AND APPAREL INDUSTRY**

Time : 3 hours

Maximum Marks : 100

Note : Answer any *five* questions. All questions carry equal marks.

1. (a) Describe the basic steps required to carry out method study. 10
- (b) Describe the rating involved in work measurement with the help of a suitable example. 10
2. (a) Describe the step-by-step procedure to assess the workload of a Draw Frame Tenter working in a spinning preparatory department through the application of work study technique. 10
- (b) State the work allocation norm for Mixing Attendant, Blow Room Tenter, Drawing Tenter-First Passage and Second Passage. 10

3. (a) Describe using example, the procedure to estimate Ring Frame Tenter Assignment that could be given for the existing breakage rate and standard workload. 10
 - (b) Explain the procedure to assess the workload of Doffer Boy working in Spinning. 10
 4. (a) Describe Composite Productivity Index (CPI) and P (Production per spindle per shift of 8 hrs) adjusted to 40s count. 10
 - (b) Elucidate with an example the method for calculating overall production per spindle in ring frame adjusted to 40s count. 10
 5. (a) Describe the step-by-step procedure to assess the workload of winder working in an automatic winding through the application of work study technique. 10
 - (b) Using an example, explain the method of calculating production and efficiency standard of a Sizing Machine. 10
 6. Describe the steps involved in calculating the various productivity indices of weaving. 20
 7. Elucidate the procedure adopted to achieve sewing line balancing. 20
 8. Explain the procedure adopted for analysing waste generation and its control in various processes of spinning. 20
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