THE TEXTILE ASSOCIATION (INDIA)
GMTA (Revised) Examination - 2015
Section – E, Paper – E1
Industrial Engineering and Mill Management.
Marks – 100

Date 27 Dec 2015
Time 10.00 AM to 1.00 PM

Instructions:
1. Answer any six questions out of which Question No 1 is compulsory.
2. Answer each next main question on a new page.
3. Figure to the right indicate full marks.
4. Illustrate your answers with sketches and flow chart wherever necessary.
5. Use of non-programmable electronic pocket calculator permitted.
6. Mobile and any other communication devices are not allowed in examination hall.
7. Assume suitable data wherever necessary.

Q1 Write Short Notes on any five of the following 20
a. Time and Motion study.
b. Total Productive Maintenance.
c. Compliance to regulatory requirements.
d. Employee State Insurance Act
e. Humidification and Ventilation controls in Weaving.
f. Elements of Costs.
g. Variable and fixed costs.
h. Standing Orders.

Q2 a. What are the value adding and cost adding elements of a job? Give examples. 15
b. How do you differentiate essential and non-essential activities?

Q3 a. Explain the method of working out workloads of a winder. 16
b. What is the effect of interference losses in getting efficiency?

Q4 a. What is the role of relative humidity and ventilation in different sections of weaving and weaving preparation? 16
b. What are the essential check points for maintaining humidity and temperature?

Q5 a. What is a Project report? How it differs from financial performance report? 15
b. What is the difference between capital costs and running costs?

Q6 a. Differentiate the terms Excise, Sales Tax and VAT. 16
b. What is minimum wages Act? Who specifies the minimum wages?

Q7 a. Explain the term Marginal Costing. How it differs from Standard 16
Costing?
b. What is avoidable and unavoidable costs? Give some examples.

Q8

a. How will you work out the cost of weaving a fabric?
b. What is the difference between conversion cost and manufacturing cost?