THE TEXTILE ASSOCIATION (INDIA)
G.M.T.A. EXAMINATION-2016
SECTION: D PAPER–WOD.5

QUALITY & ENVIRONMENT SYSTEM MANAGEMENT IN WET PROCESSING

Date: 30.12.2016  Marks: 100  Time: 2.00 pm to 5.00 pm

Instructions:
1. Attempt SIX questions out of which Q1 is Compulsory
2. Answer each next question on new page
3. Figures to the right indicate full marks
4. Illustrate your answers with sketches and flow chart wherever necessary
5. Use of nonprogrammable electronic pocket calculator permissible
6. Mobile and any other communication devices are not allowed in the exam hall
7. Assume suitable data wherever necessary

Q1
a. Describe implementation of Quality Management System (QMS) ISO 9000 in a yarn processing unit. 10
b. Describe implementation of Environment Management System (EMS) ISO 14000 in a yarn processing unit. 10

Q2
a. Compare traditional and modern quality management techniques. 08
b. Discuss various clauses of QMS ISO 9000. 08

Q3
a. Discuss various clauses of EMS ISO 14000. 08

Q4
a. State Deming’s Principle. Discuss PDCA cycle in relation to continual improvement of quality assurance. 08
b. Compare quality control and quality assurance approaches in wet processing. 08
b. Discuss in brief Deming’s philosophy, Juran philosophy and Crossby philosophy of quality management. 08

Q5
a. Discuss Quality Circles in relation to a textile printing unit. 08
b. What is statistical quality control? Explain Quality Control Charts. 08

Q6
a. Discuss 5S concept of quality and its relevance to wet processing activities. 08
b. Describe Just in Time (JIT) system. 08

Q7
a. What is benchmarking? How is related to quality assurance. 08
b. Discuss business-process reengineering in relation to a cotton fabric processing unit. 08
Q8  

a  Discuss Supply-Chain-Management in wet processing.

b  Describe the concept of Total Quality Management (TQM) in wet processing.