

**CS/B.TECH(TT)/SEM-6/TT-604/2012**

**2012**

**QUALITY MANAGEMENT**

*Time Allotted : 3 Hours Full Marks : 70*

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**GROUP – A**

**( Objective Type Questions )**

1. Answer all the following questions :

10 × 1 = 10

- (i) Mention any two quality specifications of cotton fibre .
- (ii) Mention any two quality parameters of yarn.
- (iii) Quality assurance is better concept over Quality control system. (*True or False* )
- (iv) Inspection is an important quality control system.  
( *True or False* )
- v) What is the full form of ISO ?
- vi) Normally PPI is higher than EPI in case of apparel application . ( *True or False* )
- vii) What do you understand by Ne-40/1 and Tex-40/1 ?
- viii) Measurement of "cost of quality" is not an important criteria for any organization. ( *True or False* )
- ix) Productivity and Production are two same things.  
(*True or False* )
- x) What is the full form of SQM ?

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.  $3 \times 5 = 15$

2. Define Quality. Describe the difference between "Quality control" and "Quality assurance" system .
3. What is strategic quality management (SQM) ? Describe the concept of "SQM" in brief .
4. What is sampling in Quality Assurance ? How the sampling process affects the "Quality Assurance" process ?
5. Define "Production" and "Productivity". Mention different significance of " Productivity" .
6. Write short notes on
  - a) Zero Defect
  - b) Right first time.
7. What do you understand by "designing of quality" ? Describe with one example related to textile industry.

### **GROUP – C**

#### **( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

8. Why is quality of any product important ? What is the importance of quality control ? Explain different methods of quality control. How are production and productivity two different things ? Explain with example.  $3 + 3 + 5 + 4$
9. What is "Quality Circle" and what are essential preconditions for successful "Quality Circle" ? What is the objective of "Quality Circle" ? Describe different benefits of "Quality Circle".  $3 + 4 + 8$
10. What is ISO ? Why is ISO implementation important for an organization ? Describe the ISO : 9000 system in details.
11. What is "COQ" ? Why is measuring "COQ" important ? What are the different types of Quality cost ? How do the

productivity and quality linked to each other ? 3 + 3 + 5 + 4

12. Define Quality Assurance (QA) system. What are the different activities involved in quality assurance system ? Describe the way of working quality assurance in a Textile industry.

3 + 3 + 9

13. Draw a table mentioning six important quality parameters each of fibre, yarn, fabric and garment. Take any one quality parameter from each of fibre, yarn, fabric and garment and describe the quality importance of that quality parameter .

8 + 7