THE TEXTILE ASSOCIATION (INDIA)
GMTA (REVISED) EXAMINATION - 2017
SECTION - D PAPER: SOD.3
QUALITY & ENVIRONMENT SYSTEM IN FABRIC MFG

Date: 29.12.2018 Marks: 100 Time: 2.00pm to 5.00pm

Instructions:
1. Attempt any six questions out of which Q. 1 is compulsory.
2. Answer each next question on new page.
3. Figures to the right in the bracket indicate full marks.
4. Illustrate your answer with sketches and flow charts wherever necessary.
5. Use of non-programmable electronic pocket calculator is permissible.
6. Mobile and any other communication devices are not allowed in the examination hall.
7. Assume suitable data wherever necessary.

Q1. Choose the appropriate answer from the multiple choices in the following - [20]
   A. Number of steps in 5S implementation are
      a. 6 b. 4 c. 5 d. 2
   B. The correct sequence in Deming’s cycle is
      a. PCDA b. PCAD c. PADC d. None of these
   C. The process of Quality improvement is aimed at
      a. Meeting quality goals during operations
      b. Preparing to meet quality goals
      c. Breaking through to unprecedented levels of performance
      d. All of these.
   D. Quality planning is the process for
      a. Meeting quality goals during operations
      b. Preparing to meet quality goals
      c. Breaking through to unprecedented levels of performance
      d. All of these.
   E. 5S is designed to do
      a. organise
      b. increase efficiency
      c. create a safe workplace
      d. all of above
   F. During Set in Order, you and your coworkers focus on what?
      a. Begin finding a storage place for all tools and equipments
      b. Initiate visual communication colour standards
      c. Commence work area cleaning
      d. Start eliminating needless tools
   G. The process of Quality control is aimed at
      a. Meeting quality goals during operations
      b. Preparing to meet quality goals
      c. Breaking through to unprecedented levels of performance
      d. All of these.
   H. The step of 5 S in which the Red tags are first used
a. Set in Order
b. Sort
c. Standardise
d. Sustain

1. The thing which is not common in Kaizen and Just-in-time
   a. Customer's perspective,
   b. A standardized work process,
   c. Commitment to drive waste out of your system
   d. Reducing inventory level to Zero

J. 5S checklists should be made to collect the information of
   a. Work duty task times
   b. Image of work areas
   c. Red-tag item location
   d. All of these

Q 2. Discuss on Normal problems and Nonconformities in any of the following two -
   a. Sizing
   b. Drawing-in and Denting
   c. Warping

Q 3
   a. Briefly discuss effect of each control points in Winding Process on quality of the output.
   b. Briefly discuss the Process control checkpoints at Warping.

Q 4
   a. What are the requirements and benefits to an organization by implementing IS/ISO 9001-2015.
   b. Briefly discuss the principles of IS/ISO 14001-2004 Environment Management System.

Q 5
   a. What are the 5 golden questions? Briefly discuss each.
   a. Discuss the benchmarking process in brief with respect to fabric quality

Q 6
   a. Write down the elements of TQM and the obstacles while implementing TQM.
   b. Write difference between Quality manual and Quality system.

Q 7
   b. What is difference between are Work instruction and Procedure

Q 8
   a. Discuss the case study of end breaks in warping with the use of PDCA cycle.