

**NATIONAL INSTITUTE OF FASHION TECHNOLOGY
(Common Examination Board)
(End Term Exam- Session July- Dec-2015)**

Subject – Apparel Quality Management, BFT - V

Time: 3.0 hours

Max. Marks: 100

Part A

1. Answer the following

(15 marks)

- i. Fabricators in decentralized manufacturing scenario are good at manual value addition-True/False
- ii. Drawstrings can protrude from the bottom hem of coats, trousers or skirts that are designed to finish at the ankle. (True/False)
- iii. Care symbols do not recommend how to clean a textile article on which they are affixed. (True/ False)
- iv. Check sheet is nothing but a form used to collect data in such a way that it makes not only the collection of data easy, but also the analysis of the data automatic. (True/False)
- v. The bell shaped distribution curve is called _____distribution curve
- vi.  is the symbol for _____
- vii. _____ are the costs associated with defective products, components and materials that fail to meet quality requirements and result in manufacturing losses.
- viii. Internal and External failure costs are also known as costs of _____
- ix. 80/20 rule is associated with _____ Charts
- x. The three elements of Juran's Trilogy are _____, _____ & _____.
- xi. The three important components of Feedback Loop are _____, _____, _____.

2. Elaborate the following abbreviations

(10 marks)

i. PDCA	vi. FTC
ii. WRAP	vii. TQM
iii. FMEA	viii. CPSC
iv. VOC	ix. SPC
v. CTQ	x. UCL

PART B

Write Short Notes on any 7 of the following (300-500 words) (7*5 marks=35 marks)

- i. Kaizen
- ii. Steps in Quality Improvement
- iii. Strategic Deployment
- iv. Relationship between CSR and Quality in Apparel Industry
- v. 5S
- vi. Sporadic spike and Chronic Waste in Juran's Trilogy
- vii. Six Sigma
- viii. Usage of Fish bone diagram in apparel manufacturing
- ix. Product Safety in Children's clothing

PART C

Answer the following –any 4 (800-1000 words) (4*10 marks=40 marks)

1. What is the concept of Benchmarking? Briefly state the different types of benchmarking? Explain the steps to be followed for Benchmarking?
2. What is cost of quality, explain the 4 different types of cost of quality with examples from apparel industry. Explain the interrelationship between the 4 costs of quality. Should COQ ever be zero-Why/Why not-explain.
3. What are seven classic tools quality control? Explain any 2 tools in detail in context of apparel manufacturing.
4. Why are the sub contractors/fabricators an important element of the apparel manufacturing industry in India? How can apparel manufacturers make sub contractors process capable by using the process capability model? What are the reasons that such initiatives fail?
5. As per Juran's Quality Control Process, what are steps of QC. Briefly explain the steps in relation to apparel manufacturing.
6. Explain the following tools of quality management(**any 2**)
 - a. ISO 9000
 - b. Quality Circles
 - c. FMEA
 - d. QFD
