



**NATIONAL INSTITUTE OF FASHION TECHNOLOGY
(Common Examination Board)
(End Term Exam-Session July – Dec, 2016)**

Subject: Apparel Quality Management, BFT – V

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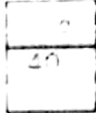
Hours: 03 hours

Max. Marks: 100

PART A

Q 1 Fill in the blanks

10x1mark=10 Marks

1.is a quality characteristic that is either present or absent. It assumes sum of 2 values conforming or not conforming, within tolerance or out of tolerance complete or incomplete, satisfied or not satisfied.
2. Cause and effect diagram is also known asdiagram after a Japanese quality expert who came up with this concept.
3. CPSC stands for
4.is a quality tool that identifies many possible causes for an effect or problem and sorts ideas into useful categories.
5. The stage at which the organization tends to blame quality department for quality problem isstage
6. The bell shaped distribution curve is called.....distribution curve.
7.  is the symbol for
8.are the costs associated with defective products, components and materials that fail to meet quality requirements and result in manufacturing losses
9. The other name of Arrow Diagram is.....

10.is a schematic diagram of a process including all the steps or operations in the sequence as they occur

Q2. Match the following

(10x1mark=10 Marks)

1	F.W.Taylor	A	Plan-Do-Check-Act
2	Walter Shewhart	B	Father of Quality Circle
3	Edward Deming	C	Quality Planning
4	Black Belt	D	Scientific Management
5	Kaoru Ishikawa	E	Cause and Effect Diagram
6	Non-conformance	F	Cost of Quality
7	Initial Trilogy Activity	G	Six Sigma
8	ASTM D5489-96c	H	Control Charts
9	Fish bone diagram	I	Care Labelling
10	Philip Crosby	J	Any deviation from work standards, practices, procedures, etc

Q3. State whether True or False

(5x1 mark= 5 marks)

1. VSM is a waste management tool
2. TQM is a system of continuous improvement employing participative management and centered on the needs of customer.
3. The cost of 'downgrading' comes under External failure costs
4. X-chart, R-chart are generally used for attribute type data
5. 5s is -Seiri, Seiton, Seiso, Seiketsu, Shitsuke

Q4. Expand the following

(5x1 mark= 5 marks)

1. FMEA
2. WRAP
3. DMAIC
4. COPQ
5. OSHA

PART B

Write Short Notes on any 6 of the following(300-500 words) (6x5 marks=30 marks)

1. List any five reasons why organizations would prefer to work with sub-contractors? Can the Subcontractor quality be improved? Explain with examples.
2. Explain the different types of benchmarking
3. Explain benefits of strategic deployment
4. Write a brief note on Kaizen
5. Explain Tree Diagram
6. Explain Juran's trilogy in brief
7. Explain Deming's PDCA cycle
8. Reasons for the failure of Quality Policy in any organization

PART C

Answer in detail any 4 of the following (600-800 words) (4x10 marks=40 marks)

1. What is SPC? How can SPC be implemented in the apparel industry using variable charts and attribute charts?
2. Discuss in detail about the importance of compliance in garment industry and the role of WRAP in maintaining the same.
3. Explain the feedback loop in quality control with appropriate diagrams
4. Explain any two *modern* tools of Quality Control.
5. What is cost of quality, explain the different types of cost of quality with examples from apparel industry. An apparel manufacturing company in Chennai wants to calculate the COQ of their sewing floor. List the factors/costs they will take into account to calculate the COQ
6. As per Juran's Quality Planning Process-
 - a) What are the 2 different types of customers?
 - b) What are the different types of customer needs?
 - c) What are the sources through which customers' needs can be collected?
7. Explain the concept of lean manufacturing and its significance in apparel manufacturing.
