



B.TECH DEGREE EXAMINATIONS: NOV 2015

(Regulation 2009)

Seventh Semester

FASHION TECHNOLOGY

FTY120: Quality Assurance in Apparel Production

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Arbitrary sampling is
 - a) 100% checking
 - b) 90% checking
 - c) 10% checking
 - d) Random sampling
2. Which standard system among the following insists on Environmental compliance.
 - a) ISO 9001
 - b) ISO 9000
 - c) SA 8000
 - d) ISO 14000
3. P chart is suitable for
 - a) Defects
 - b) Measurement deviation
 - c) Defectives
 - d) Cut parts
4. Spec sheets are developed by a
 - a) Customer
 - b) Buyer
 - c) Consultant
 - d) Consumer
5. Oeko tex 100 is for
 - a) Product
 - b) Product and process
 - c) Process
 - d) Organic product
6. Spirality is the defect in the _____ direction of fabrics.
 - a) Wale wise
 - b) Course wise
 - c) Warp wise
 - d) Weft wise
7. Shade variation between sleeves is _____ defect
 - a) Critical
 - b) Major
 - c) Minor
 - d) Conditionally acceptable
8. The points allotted for a defect of length 6 to 9 inches in 4 point system is
 - a) 1
 - b) 2

- b) (i) Analyze the following Inspection data using (a) Check sheet, (b) Pareto Chart. (10)

Type of defects	Number of defects						Total
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	
Broken button	5	-	6	4	10	5	30
Broken stitch	10	2	-	-	8	5	25
Shade variation	4	1	-	-	1	2	8
Fabric defects	10	8	9	11	12	3	53
Missing button	2	1	-	2	5	-	10
Open seam	15	16	9	8	10	7	65

- (ii) Explain the requirements for SA 8000 certification in an apparel industry. (4)

23. a) List out any four international organizations involved in specifying test methods and garment standards. Explain their role and functions to ensure quality garment production.

(OR)

- b) Assuming yourself as QA manager, prepare standard performance specifications for woven men's wear.

24. a) Discuss the various quality control measures to be taken in spreading, cutting and sewing departments of an Apparel Manufacturing firm.

(OR)

- b) i) A fabric roll of 150 yards length and 48" width contains following defects. (7)

Defects up to 2" – 4 Nos.

Defects over 3" less than 6" – 5 Nos.

Defects over 6" less than 9" – 2 Nos.

Defects over 9" – 1 No.

Check whether the fabric can be accepted under 4 point grading.

- ii) Explain the various control forms used in sewing department to assure the quality of garments. (7)

25. a) What is COQ? Explain the different types of it with suitable example from apparel industry.

(OR)

- b) Summarize the inspection and testing methods applicable for buttons, zippers and threads used for mass production of garments.
