

B.TECH DEGREE EXAMINATIONS: MAY/JUNE 2013

Seventh Semester

TEXTILE TECHNOLOGY (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. The planned systematic actions provide adequate confidence on a product -----
 - a) Quality control
 - b) Quality Assurance
 - c) Quality system
 - d) Quality Policy
2. AQL is expressed in -----
 - a) No. of defects
 - b) No. of defectives
 - c) Prices
 - d) Percent
3. Identify the standard system among the following insists on a good working environment and safety.
 - a) ISO 9000
 - b) SA8000
 - c) ISO 14000
 - d) Quality Circle
4. The defect which cannot be rectified is known as -----
 - a) Major defect
 - b) Minor Defect
 - c) Critical defect
 - d) Negligible defect
5. The tolerance level specification given for woven fabric weight is -----
 - a) +/- 3%
 - b) +/- 5%
 - c) +/- 8%
 - d) +/- 10%
6. Identify the standard organization which formulates test methods for testing of harmful substances.
 - a) ANSI
 - b) ASTM
 - c) GOTS
 - d) OekoTex
7. The number of points allotted for a defect of length between 6 and 9 inches in 4 point fabric inspection system is -----
 - a) 1
 - b) 2
 - c) 3
 - d) 4

8. Identify the control form which is used to control the number of cut to be made in a lay.
 - a) Cutting order
 - b) Cutting ticket
 - c) Bundle order
 - d) Bundle ticket
9. 'Scoop Slippage' is the test used to assess the performance of -----
 - a) Labels
 - b) Buttons
 - c) Zippers
 - d) Sewing thread
10. Under which quality cost category the cost of returned merchandise is classified?
 - a) Prevention cost
 - b) Appraisal Cost
 - c) External failure cost
 - d) Internal failure cost

PART B (10 x 2 = 20 Marks)

11. Illustrate the inspection loop system followed in apparel industry.
12. Differentiate Arbitrary sampling and Statistical sampling.
13. Write short note on 'WRAP'
14. How will you grade visual defects in apparels?
15. Differentiate Standards and Specifications.
16. Mention any four standard performance specification of knitted children's wear.
17. Highlight the quality control activities in cutting department.
18. Define the fabric defects: Slub and Barre.
19. List the factors to be considered for evaluating the performance of zippers and buttons.
20. Enlist the breakups in quality cost.

PART C (5 x 14 = 70 Marks)

21. a) (i) Discuss the various types of sample inspection systems followed in apparel industry. (8)
- (ii) Briefly explain how 100% inspection is different from sample inspection. (6)
- (OR)**
- b) (i) In the final inspection, an inspector checks 400 garments and found 30 defects. (7)
After the inspection another supervisor checks 160 garments and found 10 defects. Check whether the inspections results are comparable.
- (ii) Briefly explain how AQL standards used in Apparel industry. (7)
22. a) Explain with suitable examples, how defects are classified in apparel manufacturing.

(OR)

- b) Elaborate with neat diagram, the seven tools of quality control in apparel manufacturing.

23. a) Brief the various levels of standards. Explain in detail the various sources of standards which are applicable to apparel industry.

(OR)

- b) Explain the woven fabric performance specifications for premium men's and women's wear.

24. a) Elaborate the various quality control measures to be taken in cutting, sewing and packing department.

(OR)

- b) (i) Discuss the various quality control forms used in cutting department to assure the quality of garments. (7)

- (ii) A fabric roll of 140 yards length and 46 inches wide contains following defects. (7)

Defects upto 3" – 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 system.

25. a) Explain the various quality control system and standards for packing and packed goods.

(OR)

- b) (i) Tabulate the tolerance limits for various measurements of a finished woven Trouser. (6)

- (ii) Discuss in detail about cost of quality and its types. (8)
