

B.TECH. DEGREE EXAMINATIONS: APRIL / MAY 2010

Fifth Semester

TEXTILE TECHNOLOGY (FASHION TECHNOLOGY)

U07FT504: Textile Testing and Apparel Quality Evaluation

Time: Three Hours**Maximum Marks: 100****Answer ALL the Questions:-****PART A (10 x 1 = 10 Marks)**

1. Sampling, in which every individual has an equal chance of being selected, is :
a. Random sample b. Biased sample c. Single sample d. Double sample
2. Ratio of weight of water in fibre to the total weight of fibre in percentage is :
a. Moisture regain b. Moisture content c. Humidity d. Relative humidity
3. The relationship between count and twist in a yarn is decided by :
a. T.P.I. b. T.P.M. c. Twist factor d. Pliability
4. 'Spun-in fly' are
a. Periodic faults b. Minor faults c. Frequent faults d. Rare faults.
5. If 'Crimp' is more in yarns, the abrasion resistance
a. Is not altered b. Increases c. Decreases d. remains moderate
6. The Important factor which causes Pill formation is :
a. Stretch b. Crimp c. Abrasion d. Humidity
7. Drape characteristics of a fabric influences
a. pleating b. pilling c. crimping d. strength
8. 'Air permeability' is influenced by
a. count of yarns b. gsm c. Air porosity d. Fabric strength
9. 'Peel bond strength' is done for
a. lining fabrics b. fusible interlinings c. zippers d. laces
10. 'Spirality' is prevalent in
a. woven fabrics b. knitted fabrics c. non-wovens d. spacer fabrics

PART B (10 x 2 = 20 Marks)

11. What is the standard testing temperature and humidity?
12. Define 'yarn count'.

13. What are the causes of yarn hairiness?
14. What is 'Periodic variation'?
15. What is Crimp amplitude?
16. What are the different approaches to test fabric strength?
17. What is meant by 'Fabric handle'?
18. Name any two products for which 'Air permeability test' will be performed.
19. What is 'bowing'?
20. What is 'Crock test'?

PART C (5 x 14 = 70 Marks)

21. (a) Write about the Sampling techniques used for fibres.

(OR)

(b) (i) Draw and explain the working of a 'Quadrant Balance'. (7)

(ii) Draw and explain the working of a 'Beesley's Balance'. (7)

22. (a) (i) Write about yarn hairiness testing. (10)

(ii) Write about CSP and its significance. (4)

(OR)

(b) Draw and explain the functioning of Uster Tensorapid instrument.

23. (a) Draw and explain the functioning of Shirley Crimp tester.

(OR)

(b) Draw and explain the functioning of Martindale abrasion tester.

24. (a) Draw and explain the functioning of Drape meter.

(OR)

(b) Draw and explain the functioning of Stiffness tester.

25. (a) Draw and explain the functioning of Seam slippage tester.

(OR)

(b) Write about the methods of testing 'Zippers'.
