

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore-641 043
Bachelor's Degree Semester Examination- November 2017
Semester III**

Class: II UG

Time: 3 hrs

Major: Textiles and Apparel Designing

Max Marks: 100

15BTDC13 Textiles Testing

PART A

10*1=10]

Circle the correct answer

1. Baer sorter is involved in testing of fiber-----
a. Strength b. Fineness c. Length d. Maturity
2. For yarn numbering of cotton ----- system is used
a. Direct b. Indirect c. universal d. All
3. As twist of a yarn increases its strength-----.
a. Increases b. Decreases c. no change d. none of the above
4. Uneven yarn will show -----
a. Increased strength b. Decreased strength c. Increased drape
d. Decreased drape
5. Resistance of fabric to bending is termed as -----
a. Stiffness b. Drape c. Strength d. Abrasion
6. The effect of yarn hairiness leads to -----
a. Pilling b. Fuzzy appearance c. breakage during weaving d. All the above
7. The instrument used for testing colourfastness to washing -----
a. Launderometer b. perspirometer c. Crockmeter d. All
8. If the fastness property is good it refers to -----
a. no colour change b. bleeding c. brightness d. Luster
9. ----- is the strength of fabric against a multi directional flow of pressure
a. Bursting b. Tearing c. Tensile d. linear
10. ----- specifications govern the comfort factor of the garment
a. Air permeability b. Drape c. Durability d. Flammability

PART B

5x6=30

Answer all questions

Answer should not exceed 400 words or one page

11. a. Explain the procedure for estimating the maturity of a fiber by swelling method
[or]
11. b. Write a brief note on fiber strength
- 12 a. Write a brief note on yarn numbering system

: 2 :

[or]

12b. Describe a quadrant balance

13a. Write notes on pilling test

[or]

13b. How is the drape of a fabric determined?

14a. How is colour fastness to light determined?

[or]

14b. Write notes on sinking test

15a. Explain about GSM and its determination.

[or]

15b. Write a brief note on wales and course.

PART C

5x12=60

Answer all questions

Answer should not exceed 800 words or four pages

16. a. How will you determine the fineness of a fiber?

[or]

16. b. Describe a Baer sorter and explain its principle

17a. Explain the parts of a twist tester .How will you determine the twist of a yarn?

[or]

17b. How is single yarn strength determined?

18a. Describe the working of a abrasion tester.

[or]

18b. Describe a crease recovery tester and the method determining the crease recovery of a fabric?

19a. How is wettability of a fabric evaluated?

[or]

19b. Explain the procedure of determining the colour fastness to rubbing and washing.

20a. Describe the function of air permeability tester

[or]

20b. How will you determine the 'thickness' and 'colour fastness to pressing' of a knitted fabric?
