

**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore-641 043**

**Bachelor's Degree Examination – November 2017  
I Semester**

**Class : I UG  
Major : Textiles and Apparel Designing**

**Time: 3 hours  
Max. Marks: 100**

**15BTDC02 Yarn Science**

**Part-A**

**10 x 1=10**

**Choose the correct answer**

1. The basic function of a \_\_\_\_\_ is to deliver aesthetics and performance in stitches and seams.  
a. Thread                      b. Yarn                      c. Twist                      d. harness
2. \_\_\_\_\_ is defined as the number of spiral turns given to a yarn in order to hold the constituent fibres or threads together.  
a. twist                      b. count                      c. threads                      d. tex
3. \_\_\_\_\_ yarns are mainly used to produce novelty or fancy yarns.  
a. corkscrew                      b. flake                      c. slub                      d. nub
4. All sewing, embroidery, or quilting threads made for home machines, industrial machines, or long arm machines should have a final \_\_\_\_\_ twist pattern.  
a. Z                      b. S                      c. Z & S                      d. S & Z
5. \_\_\_\_\_ yarns are also known as corkscrew yarn.  
a. flake                      b. spiral                      c. slub                      d. ratine
6. \_\_\_\_\_ are made by twisting the effect ply around the core ply manytimes within a very short space.  
a. spot                      b. chenille                      c. loop                      d. curl
7. Fibre intended for fine yarn by additional straightening called \_\_\_\_\_.  
a. Doubling                      b. Combing                      c. drawing                      d. roving
8. Yarns intended for soft-surfaced fabrics are given only a slack twist is \_\_\_\_\_ twisted yarns.  
a. hard                      b. smooth                      c. soft                      d. Z
9. \_\_\_\_\_ spinning produces a yarn of uniform diameter without thick or thin areas.  
a. air-jet                      b. twist less                      c. vortex                      d. electro static
10. The first commercial successful method for the manufacture of man-made fibre is \_\_\_\_\_ spinning.  
a. dry                      b. melt                      c. wet                      d. film

**Part B**

**5 X 6=30**

**Answer the following**

**Answer should not exceed 400 words or two pages**

- 11.a. What is meant by yarn count?  
(or)
- 11.b. Give short note on S and Z twist.
- 12.a. What do you mean by filament yarn?  
(or)
- 12.b. Write short notes on Sewing thread properties.
- 13.a. Give short notes on uses of fancy yarn.  
(or)
- 13.b. Differentiate single and double yarn.

