

**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**

**15BTDC01 Fibre Science**

**Part-A**

**Choose the correct answer**

**10 x 1=10**

1. \_\_\_\_\_ is obtained from the stalk of the flax plant.  
a. Cotton                      b. wool                      c. Linen                      d. Silk
2. Natural minerals such as silica sand, lime stone are filled to form \_\_\_\_\_ fibre.  
a. Ceramic                      b. Glass                      c. Graft                      d. Rubber
3. \_\_\_\_\_ is used in fine papers and an excellent conductor of heat.  
a. Flax                      b. Jute                      c. Hemp                      d. Coir
4. \_\_\_\_\_ swells in sodium hydroxide but it is not damaged.  
a. Sisal                      b. Pineapple                      c. Cotton                      d. Hemp
5. The specific gravity of silk is \_\_\_\_\_  
a. 1.35                      b. 4 .2                      c. 5.2                      d. 2.35
6. \_\_\_\_\_ is formed of thin scales of hard Surface.  
a. Cortex                      b. Medulla                      c. Cuticle                      d. Membrane
7. Ethylene glycol and dimethyl terephthalate is the raw material of  
a. Polyester                      b. Nylon                      c. Acrylic                      d. Glass
8. \_\_\_\_\_ fibre does not absorb much moisture and will tend to dry quickly.  
a. Aramid                      b. Kevlar                      c. Nomex                      d. Polyester
9. \_\_\_\_\_ acrylic has a bean shaped cross section.  
a. Acrilan                      b. Orlon                      c. Creslan                      d. Zefran
10. The longitudinal view of wool fibres are made up of \_\_\_\_\_ scale.  
a. Round                      b. Tubular                      c. Flat                      d. Twisted

**Part B**

**5 X 6=30**

**Answer the following**

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

- 11.a. State the difference between staple and filament fibre.  
(or)
- 11.b. Write notes on Aloevera Fibre.
- 12.a. Mention any five Physical properties of Flax.  
(or)
- 12.b. How is the Jute fibre extracted from the plant?
- 13.a. Define Worsted Yarn.  
(or)
- 13.b. What is spun silk?

