

**Avinashilingam Institute for Home science and Higher Education for Women,  
Coimbatore – 641043  
Continuous Internal Assessment II – April 2025  
SEMESTER II  
23MTFI01 – Fundamentals of Textiles  
(Interdisciplinary course)**

**Class:** I M.Sc.,M.C.A.,  
**Major:** FSMD/FSN/IDRM/Zoology/AI

**Time:** 2 hours  
**Max.Marks:**60

**Course Outcomes:**

- To enable the students to gain knowledge in basics of textiles
- To understand about basic process and application of textiles

**Part - A** **(6 x1=6)**  
**Choose the correct answer**

1. They are non raveling knit structures (CO2K1)  
a. tricot    b. raschel    c. plain    d. double knit
2. The melting point of polypropylene is approximately (CO3K3)  
a.185    b.165    c.150    d.160
3. Which is called as universal bleaching agent (CO3K3)  
a. H<sub>2</sub>O<sub>2</sub>    b. H<sub>2</sub>So<sub>4</sub>    c. NaOH    d. Na<sub>2</sub>Co<sub>3</sub>
4. It is a dye extracted from the resin (CO2K4)  
a. Logwood    b. fustic    c. catechu    d. madder
5. It is one of the most important property for home textiles (CO3K2)  
a. Fire resistant    b. thermal resistant    c. acoustic insulation    d. strength
6. Knee pad comes under (CO4K2)  
a. Medi tex    b. cloth tex    c. sports tex    d. pro tech

**Part – B** **(3x6=18)**  
**Answer the following.**  
**Answer should not exceed 200 words or one page**

7. a. Differentiate the characteristic between warp and weft knit fabrics. (CO2K1)  
(Or)  
b. Explain the different web formation techniques for nonwoven. (CO2K2)
8. a. Write short notes on bleaching and singeing? (CO3K2)  
(Or)  
b. What are the different methods of printing? (CO3K2)
9. a. Enlist the products used in geo-textiles. (CO4K3)  
(Or)  
b. Define auto tech. Explain the uses. (CO5K1)

**Part–C** **(3x12=30)**  
**Answer the following**  
**Answer should not exceed 700 words or four pages**

10. a. Explain the elements of knitting with neat diagram? (or) (CO1K4)  
b. Elucidate the mechanical bonding techniques. (CO5K1)
11. a. Classify dyeing. (or) (CO3K1)  
b. What are natural dyes? Explain its various types. (CO3K2)
12. a. Discuss the segments of medical textiles with examples. (CO4K2)  
(Or)  
b. Describe the products of agro textiles (CO4K2)

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**Staff In charge: Dr.S.Yamuna Devi**