

**Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore -
641043
Continuous Internal Assessment Test II – April 2025
II Semester**

Class: I PG
Major: Textiles and Fashion Apparel

Time: 2 hours
Max. marks: 60

SEMESTER II
23MTFC08

TECHNICAL TEXTILES

**Hrs of instruction /
week :4**
No of credits:4

Course Outcome

- To orient students to the field of technical textiles and enable them to learn the developments in the same
- To gain knowledge about advances in textiles and its applications

Part – A Choose the correct answer

6 x 1 = 6

1. In which industry are filtration textiles most commonly used? CO1 K1
- a. Food Processing b. Textile c. Environmental d. Construction
 Manufacturing and Wastewater
 treatment
2. What is the purpose of using antimicrobial treatments in medical textiles? CO1 K1
- a. To improve the b. To reduce the c. To enhance the d. To prevent
textile's color risk of infection fabric's elasticity fading
3. Which of the following textile materials is commonly used for automotive seat covers? CO1 K1
- a. Wool b. Leather c. Silk d. Polyester
4. What is the primary function of camouflage textiles in military applications? CO1 K1
- a. To provide b. To increase c. To hide personnel or d. To reduce
weather protection visibility equipment from enemy fatigue
view
5. What property is important for fabrics used in bedding? CO1 K1
- a. Fire resistance b. Breathability and c. Glossy d. Heavy weight
softness texture
6. Which of the following materials is commonly used in the production of athletic wear? CO1 K1
- a. Silk b. Polyester c. Wool d. Linen

Part-B

3 x 6=18

Answer All the Questions

The answer should not exceed 400 words or two pages

7. a. What are the definitions and purposes of Filtration textiles? Or CO2 K2
7. b. Discuss the importance Wound care textiles CO2 K2
8. a. Describe the various types of Bed linens. Or CO3 K3
8. b. Provide an overview of the fibers utilized in marine textiles. CO3 K3
9. a. Write a brief note on artificial turfs employed in Sports textiles. Or CO4 K4
9. b. Discuss on the fabrics used for railways textiles. CO5 K5

Part – C
Answer All the Questions
The answer should not exceed 800 words or four pages

3 x 12 = 36

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|------------------------------------------------------------------------------------|----|--------|
| 10. a. Discuss in detail the applications of Filtration textiles. | Or | CO2 K2 |
| 10.b. Provide a summary of the applications of Survival textiles. | | CO3 K3 |
| 11.a. Describe how textile materials are utilized within the field of Orthopedics. | Or | CO3 K3 |
| 11.b. Explain the characteristics of CBRN protective clothing textiles. | | CO4 K4 |
| 12.a. Elaborate on the finishes specifically important for sport textiles. | Or | CO4 K4 |
| 12.b. Detail the specialized textile products used in Space textiles. | | CO5 K5 |

ALL THE BEST

Name of the staff: Prof. Dr. S.Amsamani
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