

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

**Class : I PG
Major: Bio- Textiles**

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

23MBXC08 Textile Processing and Effluent Treatment

Course Outcomes:

- Understand the need for fabric preparatory processing and explain various dyeing and printing techniques.
- Demonstrate the characteristics and treatment methods of textile effluent.
- Identify appropriate textile finishing techniques for various product developments.
- Categorize the different textile effluent treatment methods.
- Analyze the advanced waste water treatment methods.

Part – A

6 x 1 = 6

Choose the correct answer

1. Which of the following is a measure of how much UV radiation a fabric block is
a. UPF b. SPF c. UVF d. PUV CO3K2
2. Limiting Oxygen Index is the parameter used to assess
a. Water repellency b. Flame retardancy c. Crease recovery
d. Abrasion resistance CO3K2
3. The measure of all inorganic and organic substances dissolved in water, including salts, minerals, metals, and ions is
a. TDD b. TDS c. BOD d. SOD CO2K1
4. The effluent discharged from scouring process will be
a. Acidic b. Alkaline c. Neutral d. Turbid CO2K2
5. Primary effluent treatment method removes
a. Suspended particles b. Dissolved particles c. Dyes d. Turbidity CO4K1
6. Secondary effluent treatment is also known as
a. Biological treatment b. Physical treatment c. Chemical treatment
d. Mechanical treatment CO4K1

Part- B

3 X 6 = 18

Answer ALL the following questions.

Answer should not exceed 400 words or two pages

7. a. Write a note on Flame retardant finish. CO3K2
(or)
b. Discuss the significance of crease-resistant finish. CO3K2
8. a. Write short notes on Chemical Oxygen Demand. CO2K2
(or)
b. Give an account on TDS and TSS. CO2K2
9. a. Discuss in brief about Tertiary waste water treatment methods. CO4K2
(or)
b. Explain the Use of agro-wastes in waste water treatment. CO5K2

Part – C

3x 12 = 36

Answer ALL the following questions.

Answer should not exceed 800 words or four pages

10. a. Describe in detail about antimicrobial finish. CO3K2
(or)
b. Give a detailed account on UV protection and water repellent finish. CO3K2
11. a. Discuss in detail about the characteristics of desizing and scouring effluent CO2K2
(or)
b. Explain the generation of waste water from various textile processes. CO2K2
12. a. Elaborate on activated sludge process and trickling filtration. CO4K2
(or)
b. Describe in detail on primary waste water treatment. CO4K2

**Staff Incharge: Dr. K. Kalaiarasi
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