



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment I–April 2025

II Semester

Class : I M.Sc

Major : Textiles and Fashion Apparel

Time: 2 Hours

Max. Marks: 60

21MTFC09 Sustainable Textiles and Fashion

Part A

6X1=6

Choose the Correct Answer

1. Identify the enzyme that is commonly used for bio- desizing in textile processing.
a) Cellulase b) Amylase c) Protease d) Lipase CO3K1
2. Point out the natural finishing technique that imparts antimicrobial property to textiles.
a) Wax coating b) Aloe vera extract finishing
c) Silicone softener application d) Synthetic resin finishing CO3K1
3. Brand that is known for integrating sustainability in its fashion design and production.
a) Patagonia b) Fast Fashion Chains
c) High-Speed Apparel d) Ultra-Fast Trendsetters CO4K1
4. Which sustainable design approach ensures that no fabric waste is generated?
a) Zero-waste pattern making b) Mass production
c) Rapid prototyping d) High-speed garment cutting CO4K1
5. Pick out the common method of textile recycling.
a) Burning excess fabric b) Second-hand clothing resale
c) Dumping textiles in landfills d) Using toxic dyes in processing CO5K1
6. Which one of the following brand is recognized for incorporating sustainability into its supply chain?
a) Patagonia
b) A brand known for excessive mass production
c) A company focusing on ultra-fast fashion trends
d) A brand that frequently disposes of unsold stock CO5K1

Part B

3X6=18

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 7a. Describe the need for bio processing of textiles with examples. (Or) CO3K2
- 7b. Elaborate the process involved in enzymatic retting. CO4K2
- 8a. Explain the role of fashion design houses in introducing sustainable fashion goods. (Or) CO2K3
- 8b. Outline the methods of textile recycling in detail. CO2K3
- 9a. Summarize the fashion design concepts with suitable examples. (Or) CO2K3
- 9b. Discuss on sustainable clothing care. CO4K3

Part C

3X12=36

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 10a. Enumerate the developments in natural finishing on textiles. (Or) CO2K4
- 10b. Why textile bio processing is gaining importance in recent years? CO4K5
- 11a. Discuss on the phases of sustainable fashion production (Or) CO4K4
- 11b. Point out the role of sustainable fashion designers. CO2K5
- 12a. Distinguish between fast fashion and slow fashion. (Or) CO5K5
- 12b. How is fashion supply chain linked with sustainability? CO4K6

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