



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 – February 2025

II Semester

Class : I M.Sc
Major : Textiles and Fashion Apparel

Time : 2 Hours
Max. Marks: 60

23MTFC09 Sustainable Textiles and Fashion

Part A

6 X 1 = 6

Choose the Correct Answer

1. What is the primary driver for the growing market for sustainable textiles and fashion products?
a) Increased consumer awareness about environmental impact
b) The use of cheaper raw materials
c) Decreased production costs
d) Limited government regulations on textile production
CO1K2
2. What is the main challenge in global textile recycling?
a) High demand for recycled fibers
b) Lack of technological advancements in recycling
c) Limited availability of used textiles
d) Complexities in sorting and processing mixed textile fibers
CO1K2
3. What is a key method of waste management in spinning and fabric manufacturing?
a) Burning of waste fibers b) Recycling waste fibers into new yarns or fabrics
c) Disposal in landfills d) Incinerating fabric scraps for energy
CO2K2
4. Which of the following standards is commonly used to implement an Environmental Management System (EMS) in the textile and fashion industry?
a) ISO 9001 b) ISO 14001 c) ISO 45001 d) ISO 50001
CO2K2
5. Which of the following is a key sustainable factor in yarn and fabric manufacturing?
a) Use of synthetic dyes and chemicals
b) Reduced water consumption during production
c) Increased energy consumption
d) Longer production lead times
CO2K2
6. Which practice supports circularity in the textile industry?
a. Incinerating waste textiles b. Designing for durability and repair
c. Using non-recyclable synthetic fibers d. Increasing fast fashion cycles
CO3K2

Part B

3 X 6 = 18

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 7a. Sustainable fashion vs Consumer – state the prospects and limitations. (Or) CO3K2
- 7b. Mention the challenges and opportunities for a sustainable fashion market. CO4K2
- 8a. Explain how the apparel industries are turning towards sustainability? (Or) CO2K3
- 8b. How do conscious consumers promote sustainable fashion goods? CO2K3
- 9a. Outline the need for textile bio processing. (Or) CO2K3
- 9b. Textile colouration with natural sources is safer and sustainable - Justify. CO4K3

Part C

3 X 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 10a. Describe the importance of taking sustainable measures in textile and fashion industries. (Or) CO2K4
- 10b. Explain how recycling concepts are performed in textile sectors. CO4K5
- 11a. List the environmental drivers adopted in the textile industry and explain how each one of these drivers is responsible for sustainability. (Or) CO4K4
- 11b. Categorize the eco labels meant for textile products based on the various classes. CO2K5
- 12a. Enumerate the type of sustainable dyes used for textile dyeing. (Or) CO5K5
- 12b. Discuss on the recent studies with respect to sustainable dyeing. CO4K6

Staff In-charge: Dr.G.Bagyalakshmi

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