

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2024
(Third Semester)

Branch – COSTUME DESIGN & FASHION

**MAJOR ELECTIVE COURSE – I SUSTAINABILITY IN TEXTILES
AND FASHION**

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	_____ fashion is a term that describes clothing and accessories that are made, used, and marketed in an ethical and environmentally conscious way. a) conservative b) Sustainable c) Durable d) unfeasible	K1	CO1
	2	Expand ES. a) Environmental sustainability b) Expanded sustainability c) Economic system d) Environmental structure	K2	CO2
2	3	_____ is any fabric or clothing that is discarded or deemed unusable for its original purpose. a) Institutional waste b) Textile waste c) medical waste d) mining waste	K1	CO1
	4	The soft waste is generated from the blow room to the _____. a) Ring frame b) Rim frame c) Rigid frame d) Portal frame	K2	CO2
3	5	_____ is the process of making yarn in a way that considers the environment, humans, and the economy. a) Sustainable b) untenable c) Insupportable d) Disputable.	K1	CO1
	6	_____ is the process of predicting colors that will be popular in the future, and is a key part of the textile industry. a) Colour forecasting b) Demand forecasting c) qualitative forecasting d) quantitative forecasting	K2	CO2
4	7	_____ help reduce pollution, waste, and energy consumption during production of textile. a) Yellow technology b) Green technologies c) Red technologies d) Blue technologies	K1	CO1
	8	In the process of cross-linking agents to treat textiles without the use of _____. a) Formalin b) Polyproline c) Polyethylene d) Formaldehyde	K2	CO2
5	9	Expand LC A a) Life cycle analysis b) Labor condition application c) Life cycle assessment d) Life cycle association.	K1	CO1
	10	_____ machines break down fabric scraps into recyclable fibers. a) Shredders b) Singing c) Jet d) Winding	K2	CO2

Cont...

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Why is Sustainability Important in Textiles?	K2	CO2
		(OR)		
	11.b.	Analyze the eco Standards in textiles.		
2	12.a.	Identify the function of waste management in spinning.	K3	CO3
		(OR)		
	12.b.	Classify the textile wastes.		
3	13.a.	Examine the sustainable product development in fashion.	K4	CO4
		(OR)		
	13.b.	Analyze the sustainable colour forecasting		
4	14.a.	Appraise the sustainable methods of eco-friendly dyes.	K5	CO5
		(OR)		
	14.b.	Explain the importance of formaldehyde free finishing.		
5	15.a.	Explain about the textile waste management in detail.	K5	CO5
		(OR)		
	15.b.	Prioritize the available textile recycling technologies.		

SECTION - C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Explain the concept of sustainable textiles and fashion.	K5	CO2
2	17	Discuss the waste water treatment and its control in fabric manufacturing.	K4	CO4
3	18	Explain - Case studies on sustainability for various fashion brands.	K5	CO5
4	19	Justify -comfort and hygiene textiles using natural finishing agents.	K3	CO3
5	20	Explain the challenges of textile recycling and life cycle analysis.	K5	CO3

Z-Z-Z

END