

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

Branch – COSTUME DESIGN & FASHION

MAJOR ELECTIVE COURSE– I SUSTAINABILITY IN TEXTILES
AND FASHION

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 GOTS was created by ----- reputed organizations.
(i) 2 (ii) 3 (iii) 4 (iv) 5
- 2 Textile waste products are divided into ----- kinds.
(i) 2 (ii) 3 (iii) 4 (iv) 5
- 3 Which of the following Indian brand focuses on zero-waste fashion?
(i) Flying Machine (ii) Aurelia
(iii) Biba (iv) Doodlage
- 4 Which of the following enzyme used in denim washing ?
(i) Cellulase (ii) Catalase
(iii) Amylase (iv) Pectinases
- 5 Textile is the ----- greatest source of garbage in several Indian states.
(i) First (ii) Second
(iii) Third (iv) Fourth

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Discuss the importance of adopting sustainable practices.
OR
b Analyze the market for eco-friendly clothing and textiles.
- 7 a Classify the categories of textiles waste.
OR
b Explain the waste management of spinning process.
- 8 a State the sustainable practices in design firms.
OR
b Determine the integration of sustainability into supply chain strategy.
- 9 a Explain the enzymes used in pretreatment of textile wet processing.
OR
b Discuss the advantages of natural dyes.
- 10 a Evaluate the waste generated from textile industry.
OR
b Illustrate the recycling technologies of textile.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 11 a Develop plans to lessen the carbon footprint of the textile industry.
OR
b Elucidate the eco standards and eco labels used in the fashion industry.
- 12 a Categorize the steps in sustainable manufacturing of yarn and fabric.
OR
b Enumerate the generation of waste water and its control in fabric manufacturing.
- 13 a Interpret the importance of environmental sustainability in the fashion sector.
OR
b Predict the color forecasting process in sustainable approaches.
- 14 a Differentiate eco friendly dyeing and printing process.
OR
b Develop the comfort and hygiene properties of textiles using natural agents.
- 15 a Justify the difficulties encountered throughout the textile recycling process.
OR
b Create a life-cycle analysis of textile waste recycling.

Z-Z-Z

END