

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024  
(Third Semester)

Branch – COSTUME DESIGN AND 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 Product class 1 in oeko tex represents ----- clothing. Choose the write option.  
(i) Babies (ii) Adults  
(iii) Socks (iv) Underwear
- 2 The textile wet processing sector's energy consumption is -----%. Find the write option.  
(i) 28 (ii) 38  
(iii) 48 (iv) 58
- 3 The zero waste concept was first coined in ----- year.  
(i) 2000 (ii) 2020  
(iii) 2005 (iv) 2015
- 4 Which of the following enzyme used in biopolishing of knitted fabric?  
(i) Cellulase (ii) Catalase  
(iii) Amylase (iv) Pectinases
- 5 What percentage of clothing is recycled in fashion sector?  
(i) 45 (ii) 12  
(iii) 5 (iv) Less than 1

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a. Discuss the pillars of sustainability.  
OR  
b. Analyze the impact of fast fashion on textiles.
- 7 a. State the latest approaches in sustainable yarn production.  
OR  
b. Explain the waste management of spinning mill.
- 8 a. Develop a sustainable strategic approach for a fashion sector.  
OR  
b. Illustrate about any three sustainable fashion brands.
- 9 a. Explain the enzymes used in textile finishing.  
OR  
b. Discuss about natural dye and its sources.
- 10 a. Evaluate the waste generated from textile industry.  
OR  
b. State the recycling process of old garments.

Cont...

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a. Interpret consumer responsibility in terms of sustainable fashion.  
OR  
b. Elucidate the 3R concepts and their significance in the sustainable fashion market.
- 12 a. Classify the most recent trends in energy consumption in the textile and fashion industries.  
OR  
b. Categorize the waste management in woven fabric manufacturing process.
- 13 a. Interpret sustainable fashion production.  
OR  
b. Elucidate the practice of zero waste design.
- 14 a. Enumerate the application of enzymes in textile pretreatment.  
OR  
b. Create a note about ecofriendly textile finishing.
- 15 a. Enumerate the waste water treatment in textile wet processing sector.  
OR  
b. Analyze the challenges in the recycling process of fashion sector.

Z-Z-Z

END