

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024  
(Third Semester)

Branch – COSTUME DESIGN AND FASHION

TEXTILE WET PROCESSING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Name the chemical used for mercerization  
(i) Sodium Carbonate (ii) Sodium Chloride  
(iii) Sodium Hydroxide (iv) Sodium BiCarbonate
- 2 Which machine used for continuous dyeing?  
(i) Winch (ii) Beam  
(iii) Soft flow (iv) Padding mangle
- 3 Which is used for bio polishing?  
(i) Amylase (ii) Pectinase  
(iii) Cellulase (iv) Xylanase
- 4 What is colour model for digital printing?  
(i) RGB (ii) RBY  
(iii) CMYK (iv) White and black
- 5 What is the abbreviation of TDS in effluent?  
(i) Total dissolved solids (ii) Total disposed solution  
(iii) Total diluted solution (iv) Textile disposable solvent

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Outline the methods of scouring.  
OR  
b State the advantages of mercerization.
- 7 a Explain about pantone colour.  
OR  
b Describe about the matching of colours using colour matching cabinet.
- 8 a Narrate about batik printing.  
OR  
b State the merits and demerits of roller printing.

Cont...

- 9 a Explain about Acid washing.  
OR  
b Narrate about durable press finish.
- 10 a State the importance quality control.  
OR  
b Explain about the air pollution in textile manufacturing.

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Justify the need for good quality water for textile processing.  
OR  
b Discuss about continuous Enzymatic Desizing process.
- 12 a Point out the causes for any three dyeing defects.  
OR  
b Outline the various factors that affects colour fastness.
- 13 a Classify screen printing methods.  
OR  
b Compare various styles of printing.
- 14 a Compare mechanical and chemical finishes.  
OR  
b Differentiate water repellent and water proof finishes.
- 15 a Enumerate about eco-friendly processing.  
OR  
b Summarize about the COD and BOD process.

Z-Z-Z

END