

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

Branch - COSTUME DESIGN AND FASHION

TEXTILE WET PROCESSING

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	Which of the following processes removes protruding fibers from the fabric surface? a) Desizing b) Scouring c) Singeing d) Bleaching	K1	CO1
	2	The main purpose of mercerization is to: a) Remove waxes and oils b) Increase dye affinity and luster c) Improve whiteness d) Remove starch	K2	CO1
2	3	Reactive dyes form a covalent bond with: a) Wool b) Silk c) Cotton d) Polyester	K1	CO2
	4	Which of the following is an eco-friendly dyeing technique? a) Disperse dyeing b) Vat dyeing c) Natural dyeing d) Basic dyeing	K2	CO2
3	5	Which machine is suitable for dyeing yarn in hank form? a) Jet dyeing machine b) Jigger machine c) Hank dyeing machine d) Beam dyeing machine	K1	CO3
	6	The term Lab Dip refers to: a) A sample print design b) A small dyeing trial to match the shade c) A washing test d) A bleaching test	K2	CO3
4	7	In discharge printing, the design is produced by: a) Adding color to the fabric surface b) Removing color from dyed fabric c) Using wax as a resist d) Using metallic pigments	K1	CO4
	8	Which of the following is a modern development in textile printing? a) Block printing b) Rotary screen printing c) Digital printing d) Batik printing	K2	CO4
5	9	Which finish is applied to make the fabric water-repellent? a) Stain-resistant finish b) Flame-retardant finish c) Water-proof finish d) Wrinkle-free finish	K1	CO5
	10	Enzyme finishing is mainly used to: a) Increase stiffness b) Remove hairiness and improve smoothness c) Add water repellency d) Increase weight	K2	CO5

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.	Compare and contrast the desizing and scouring processes. (OR)	K2	CO1
	11.b.	Summarize the quality of water used in the textile industry.		
2	12.a.	Demonstrate the eco-friendly dye and its defects and remedies. (OR)	K2	CO2
	12.b.	Interpret the methods and functions of the reactive dye.		
3	13.a.	Experiment with the process of flow of the hang and beam dyeing. (OR)	K3	CO3
	13.b.	Inculcate the process of padding mangles, and colour matching the cabinet.		
4	14.a.	Identify the latest development in digital printing. (OR)	K3	CO4
	14.b.	Organize the functions of the block and stencil printing.		
5	15.a.	Classification of the chemical and mechanical finishing on the material. (OR)	K4	CO5
	15.b.	Analyze the stone wash for the denim fabrics.		

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	Analyze the types and functions of the bleaching on the cotton material.	K4	CO1
2	17	Categorize the types and methods of tie-dye techniques in dyeing.	K4	CO2
3	18	Examine the Jigger, Winch, and soft flow dyeing machines.	K4	CO3
4	19	Compare and classify the batik, block, and stencil printing.	K4	CO4
5	20	Distinguish between the waterproof finish and the stain-resistant finish.	K4	CO5