Register Number:……..

KUMARAGURU
college of technology
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B.TECH DEGREE EXAMINATIONS: NOV/DEC 2024

(Regulation 2018)

Seventh Semester

TEXTILE TECHNOLOGY

U18TXE0007**:** Garment Processing

COURSE OUTCOMES

CO1: Outline the process flow for garment processing.
CO2: Explain the various dyeing, printing and finishing methods involved in garment processing.
CO3: Prepare the garment with different styles using advanced finishing
CO4: Explain the working principle of garment processing machines.
CO5: Summarize the laundry equipment and reagents.

Time: Three Hours **Maximum Marks: 100**

Answer all the Questions: -
PART A (10 x 2 = 20 Marks)
(Answer not more than 40 words)

1.	List two precautions to take during garment dyeing.	CO1	[K_1]
2.	Indicate the advantages of using enzymes in garment dyeing preparation.	CO1	[K_2]
3.	Define stone wash and its effect on garments.	CO2	[K_1]
4.	State the purpose of UV protective garments.	CO2	[K_1]
5.	Identify two techniques used in garment finishing.	CO3	[K_3]
6.	Infer the purpose of using stone washing machines in garment finishing.	CO3	[K_2]
7.	Differentiate between soaps and detergents.	CO4	[K_2]
8.	Outline the cleaning mechanism of soaps.	CO4	[K_2]
9.	Show the care labeling is important in garment care.	CO5	[K_2]
10.	Summarize the process of identifying stains on garments.	CO5	[K_2]

Answer any FIVE Questions:-
PART B (5 x 16 = 80 Marks)
(Answer not more than 400 words)

11.	a)	Discuss the problems encountered in garment dyeing and suggest remedies.	8	CO1	[K_2]
	b)	Evaluate the latest developments in garment processing and propose future trends that could shape the industry.	8	CO1	[K_5]

12.	a)	Explain the significance of enzyme wash and bio-polishing on garment texture.	8	CO2	[K_2]
	b)	Assess the impact of wash-down effects (stone wash, acid wash, enzyme wash) on garment appearance and durability, and recommend the best techniques for specific fabrics.	8	CO2	[K_3]
13.	a)	Compare the effectiveness of the dip process with the pad-dry-cure method in garment finishing, and determine which is more suitable for specific applications.	8	CO3	[K_4]
	b)	Analyze the importance of garment finishing machines (e.g., stone washing machines, tumble dryers) in large-scale production, and evaluate their efficiency in delivering the desired garment look.	8	CO3	[K_4]
14.	a)	Examine the principles of stain removal using various solvents and assess their effectiveness in removing common stains like blood, oil, and rust.	8	CO4	[K_3]
	b)	Analyze different methods of washing, such as hand rubbing, tumble washing, and scrubbing, and justify which method is most effective for delicate garments.	8	CO4	[K_4]
15.	a)	Assess the various methods of pressing, drying, and storing garments, and propose best practices to maintain garment quality over time.	8	CO5	[K_3]
	b)	Choose the selection process for machine-washable and hand-washable garments, and formulate a set of guidelines for consumers to follow based on fabric type and care instructions.	8	CO5	[K_4]
16.	a)	Evaluate the cleaning action of soaps and detergents in removing different types of stains, and recommend suitable agents for various fabrics and soil levels.	8	CO4	[K_5]
	b)	Discuss the factors affecting garment care, including light, temperature, and microbial protection, and develop a comprehensive care plan for storing garments long-term.	8	CO5	[K_2]

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