Register Number:……..

KUMARAGURU
college of technology
character is life

B.TECH DEGREE EXAMINATIONS: NOV/DEC 2024

(Regulation 2018)

Sixth Semester

TEXTILE TECHNOLOGY

U18TXI6202: Textile Chemical Processing-II

COURSE OUTCOMES

CO1: Discuss the style and methods of printing.

CO2: Explain the working principle of various printing machines

CO3: Contrast the mechanism of various finishes

CO4: Explain the mechanism of functional finishes

CO5: Summarize the pollution control measures in textile processing industry

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

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

1.	Outline the importance of printing.	CO1	[K_2]
2.	Classify the different styles of printing.	CO1	[K_2]
3.	List out the important parameters used in Transfer printing process.	CO2	[K_1]
4.	Recall the Digital printing and its types.	CO2	[K_4]
5.	Organize the different types of mechanical and chemical finishing.	CO3	[K_3]
6.	List out the objectives softening process.	CO3	[K_1]
7.	Compare the waterproof and water repellent finishes with examples.	CO4	[K_4]
8.	Explain the bio polishing process.	CO4	[K_3]
9.	Recall how waste minimization contribute to environmental protection.	CO5	[K_1]
10.	List out the various pollution problems in Textile industry.	CO5	[K_1]

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

11.	Explain in detail about the various print paste ingredients and their functions.	CO1	[K_5]
12.	Interpret the printing mechanism of colour transfer in silk material using acid dye with discharge and resist styles.	CO1	[K_5]
13.	Conclude the working principle of rotary screen-printing machine with neat sketch.	CO2	[K_4]
14.	Explain the working principle of anti-shrink (Zero Zero) finish with neat sketch.	CO3	[K_5]
15.	Organize any four theories and mechanisms of flame-retardant finishes.	CO4	[K_3]
16.	Explain the various options used for reducing energy conservation in compressor department in textile industry.	CO5	[K_5]

****