Register Number:……..

KUMARAGURU
college of technology
character is life

B. TECH DEGREE EXAMINATIONS: DEC 2022

(Regulation 2018)

Seventh Semester

FASHION TECHNOLOGY

U18FTE0007: Clothing Science for Apparel Engineering

COURSE OUTCOMES

CO1: Acquire Knowledge on the basic requirements in the design of apparel engineering
CO2: Recognize and associate the objective and subjective evaluation of clothing fit
CO3: Recognize and associate the effect of fiber properties, yarn structure and fabric construction on the fabric aesthetic & appearance
CO4: Recognize and associate the effect of fiber properties, yarn structure and fabric construction on the fabric dimensional stability.
CO5: Acquire knowledge and associate the effect of fiber properties, yarn structure and fabric construction on the fabric Serviceability.
CO6: Enhance knowledge and associate the effect of fiber properties, yarn structure and fabric construction on the fabric handle & clothing comfort

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

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

1.	State about the apparel engineering concept and its requirements	CO1	[K_2]
2.	Summarize the term linear index & cross-sectional index	CO2	[K_2]
3.	What is short note on drop value, how far it will be differentiated from men & women	CO2	[K_3]
4.	Analyze fit & factors which influencing fit	CO2	[K_3]
5.	Articulate various factors which influence the luster property in fabric	CO3	[K_2]
6.	Analyze the properties enhancing the aesthetic appearance of apparels.	CO4	[K_3]
7.	State about the factors to determine the dimensional stability of a fabric	CO4	[K_2]
8.	What parameters are evaluated through KES/FAST instruments?	CO5	[K_2]
9.	What are the factors which influences fabric comfort?	CO6	[K_2]
10.	Analyze the moisture transport properties of fabrics	CO6	[K_2]

Answer any FIVE Questions: -

PART B (5 x 16 = 80 Marks)

(Answer not more than 400 words)

11.	a)	Prioritize the various steps involved in clothing design	8	CO1	[K_5]
	b)	Perceive the various attributes of the apparel products of the clothing design	8	CO1	[K_5]
12.	a)	Illustrate the testing methods for dimensional fit through live models & dress forms.	10	CO2	[K_4]
	b)	Discuss about the Principles of sizing system with suitable examples	6	CO2	[K_2]
13.	a)	Categorize the role of selection of fiber, yarn structure and fabric construction, physical characteristics related to clothing fit and appearance based on aesthetics & appearance.	16	CO3	[K_4]
14.	a)	Infer the parameters which affects fabric abrasion resistance with respect to fiber, yarn & fabric properties	8	CO4	[K_4]
	b)	Interpret the parameters which affects fabric fastness properties with respect to fiber, yarn & fabric properties, various factors influencing the light & rubbing fastness.	8	CO5	[K_5]
15.	a)	Appraise the factors that affect hygral expansion, relaxation, swelling, felting shrinkage & various factors affecting fabric shrinkage	10	CO5	[K_5]
	b)	Differentiate the Seam Strength and Seam Slippage with respect to fiber properties,	6	CO5	[K_3]
16.	a)	Infer the objective evaluation of fabric hand properties by FAST (Any two modules)	8	CO6	[K_4]
	b)	Summarize how the breathability of fabrics are evaluated in accessing the comfort factors of the fabrics (Any one method)	8	CO6	[K_4]