

TEXTILE TESTING AND APPAREL QUALITY EVALUATION

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Question No.	Question	K Level	CO
1	The instrument used for measuring fibre length distribution is: a) Bear sorter b) HVI c) AFIS d) FCT	K1	CO1
2	Moisture content in fibre is calculated on the basis of: a) Conditioned weight b) Oven-dry weight c) Wet weight only d) Fibre volume	K2	CO1
3	Yarn count is a measure of: a) Yarn strength b) Yarn fineness or thickness c) Yarn elasticity d) Yarn twist	K1	CO1
4	Which instrument classifies yarn faults such as thin places, thick places and neps? a) Zweigle G580 b) Uster Classimat Quantum c) Crimp tester d) Beesley's balance	K2	CO2
5	Compactness of a fabric structure mainly depends on: a) Fabric weight and thickness b) Ends per inch and picks per inch c) Fabric colour d) Yarn count only	K1	CO1
6	Biocompatibility testing of fabrics is essential for: a) Sportswear b) Medical and healthcare textiles c) Curtains d) Denim fabrics	K2	CO1
7	Which property is most important for sportswear comfort? a) Bending length b) Moisture management c) Colour fastness d) Fabric stiffness	K1	CO2
8	Bending length of fabric is a measure of: a) Tensile strength b) Fabric stiffness and drape c) Colour fastness d) Pilling resistance	K2	CO3
9	The 4-point system is used to: a) Inspect garment seams b) Inspect fabric rolls for defects c) Check packaging methods d) Test care labels	K1	CO1
10	The symbol of a square with a circle inside on a care label refers to: a) Tumble drying b) Ironing c) Washing d) Bleaching	K2	CO3

Cont...

SECTION -B (35 Marks)
 Answer **ALL** questions
ALL questions carry **EQUAL** Marks

(5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Define and explain the objectives of textile testing.	K3	CO1
	(OR)		
11.b.	Identify the implications of moisture content and moisture regain on quality.		
12.a.	How will you classify yarn faults using Uster Classimat?	K4	CO2
	(OR)		
12.b.	How will you determine yarn count using Beesley's Balance?		
13.a.	Construct a note on flammability testing.	K3	CO2
	(OR)		
13.b.	Describe about testing of fabric bow and skewness.		
14.a.	Evaluate the relationship between shrinkage and dimensional stability.	K5	CO3
	(OR)		
14.b.	Explain the working principles of fabric abrasion resistance.		
15.a.	Examine the Tech pack analysis with a suitable example.	K4	CO3
	(OR)		
15.b.	Analyze the final audit – system.		

SECTION -C (30 Marks)
 Answer **ANY THREE** questions
ALL questions carry **EQUAL** Marks

(3 × 10 = 30)

Question No.	Question	K Level	CO
16	How will you infer fibre length using Baer sorter?	K4	CO1
17	Determine the yarn tensile strength testing in detail.	K5	CO2
18	Explain about objective evaluation of fabric hand by KES.	K4	CO2
19	Outline the working of Moisture Management Tester.	K5	CO3
20	Elaborate on the 4 point and 10 point inspection system for garment quality testing.	K6	CO2

Z-Z-Z

END