

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION MAY 2025
(Fourth Semester)**

Branch – COSTUME DESIGN AND FASHION

TEXTILE TESTING AND STANDARDS

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	The weight of water present in a unit volume of moist air is expressed as a. Relative humidity b. Absolute Humidity c. Air Humidity d. Water humidity	K1	CO1
	2	Find the device which is used to measure the Relative humidity. a. Hygrometer b. Thermometer c. Lactometer d. Humidifier	K2	CO1
2	3	Number of hanks of 840 yds presented in 1 lb weight of yarn is termed as a. Tex count b. Metric Count c. Cotton count d. worsted count	K1	CO2
	4	Select the water proof materials of the given example. a. Scuba suit b. Rain Coat c. Bathing suits d. All	K2	CO2
3	5	Ability of fibre to transfer the moisture along its surface is a. Wetting b. Wicking c. Adsorption d. Absorption	K1	CO3
	6	Air permeability is measured in unit value of a. cfm/ft ² b. cfm/ft ³ c. cfm/ft ⁴ d. cfm/ft ⁵	K2	CO3
4	7	Select the term which mention the waviness of the fabric is a. Crimp b. Weight c. Count d. Twist	K1	CO4
	8	Resistance to be slipping either on the finger or on another piece of fabric is a. Crimp b. Crease c. Drape d. Friction	K2	CO4
5	9	The percentage of major defects are allowed on _____ in AQL. a. 4.5% b. 2.5% c. 3.5% d. 7.5%	K1	CO5
	10	Choose the type of twist direction are commonly used in Sewing thread which is used to stitch the garment. a. M twist b. S twist c. Z twist d. R twist	K2	CO5

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.	State the working procedure of wet and Dry Bulb hygrometer.	K2	CO1
		(OR)		
	11.b.	Give an outline of the yarn fineness tester Parts and functions.		
2	12.a.	Illustrate the yarn twist tester and define the measurement method.	K3	CO2
		(OR)		
	12.b.	How does the lea strength works? Explain with suitable illustrations.		

Cont...

3	13.a.	Identify the working procedure of water permeability of knitted fabric.	K3	CO3
	(OR)			
	13.b.	Discuss about the bursting strength tester with illustrations.		
4	14.a.	Mention the parts and functions of the pilling tester used for a woven fabric.	K4	CO4
	(OR)			
	14.b.	Assess the drape coefficient of woven fabric by using drape meter.		
5	15.a.	Analyze the quality control procedure in cutting, sewing process in garment industry.	K4	CO5
	(OR)			
	15.b.	Define quality. Explain about AQL level with an example.		

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	Explain about methods involved to measure fibre strength with illustrations.	K4	CO1
2	17	Define yarn count. Illustrate the quadrant Balance and highlight the parts and functions.	K4	CO2
3	18	Categorize the different colour fastness methods with example.	K4	CO3
4	19	Analyze the tensile strength of woven fabric by standard method.	K4	CO4
5	20	Assess the quality standards of sewing thread and needle used for sewing.	K4	CO5

Z-Z-Z END