PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2025

(Second Semester)

Branch - COSTUME DESIGN & FASHION

WOVEN DESIGN & FABRIC MANUFACTURE

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

 $(10 \times 1 = 10)$

Module	Question		K	
No.	No.	Question	Level	CO
1	1	A film of thin starch is being applied on the surface of the yarns to supports strength and smoothness a) Slashing b) Pirn winding c) Warping d) Drawing in	K1	CO1
	2	The adhesive agent which is used to strengthen the adhesive film in sizing is a) Tallow b) R wax c) Polyvinyl alcohol d) Oil	K2	CO1
2	3	The foot pedals at the bottom of the loom for controlling the operation of the heddle is known as a) Treadles b) Robblers c) d. Heddle stick d) Shuttle	K1	CO2
	4	Name the process of separating the warp yarn into two layers to form a tunnel during weaving is a) Take Up b) Let off c) d. Picking d) Shedding	K2	CO2
2	5	Match the loom which is not suitable to weave coarser count or heavier fabric a) Air Jet b) Water Jet c) Projectile d) Dobby	K1	CO3
3	6	Mention the defect which change in shade across the width of a fabric is a) Readiness b) Smash c) Bullet d) Loom bar	K2	CO3
4	,	Select the type of fabric which is not made by plain weave a) Organdy b) Muslin c) Chiffon d) Gabardine	K1	CO4
	8	The weave which makes pebble and puckered surface from highly twisted yarn is a) Pile weave b) Leno weave c) Crepe weave d) Waffle weave	K2	CO4
5	9	Mention the conventional staple fibres length which is used as raw material in the wet-laid process. a) Less than 10 mm b) Less than 15 mm c) Less than 3 mm d) Less than 5 mm	K1	CO5
	10	Select the following fibres which is suitable for making Spunlace Non woven fabric is a) Viscose b) Cotton c) Jute d) Sisal	K2	CO5

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$

Module	Question No.	Question	K Level	со
No1	11.a.	What are the sizing agents used for sizing process?	K2	
		(OR)		CO1
	11.b.	Describe about the working principles of pirn winding process.		
2	12.a.	Summarise the auxiliary motions and its role in weaving process.	K3	COL
		(OR)		CO2
	12.b.	Illustrate the loom parts and mention its function.		
3	13.a.	Distinguish the property of Airjet and water jet loom.	1/2	CO3
	(OR)		K3	003
	13.b.	Classify the rapier loom with an example.	 	
4	14.a.	Discuss the features of huckaback weave and its advantages.	K4	CO4
		(OR)		
	14.b.	Describe about the double fabric with examples.		
5.	15.a.	Categorise the finishing methods of non woven fabric.	- K4	
		(OR)		CO5
	15.b.	Distinguish the types of nonwoven used in textile industry.		

SECTION -C (30 Marks) Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3\times10=30)$

		<u> </u>		
Module	Question	Question	K Level	со
No.	No.			
1	16	Explain the steps involved in direct warping process of weaving.	K4	CO1
2	17	Classify the different types of looms with suitable illustrations.	K4	CO2
3	18	Describe the working principles involved in Multiphase weaving with diagrams	K4	CO3
4	19	Classify the elements of woven design.	K4	CO4
5	20	Determine the process involved in web formation of non woven fabric.	K4	CO5