

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(Second Semester)

Branch – **COSTUME DESIGN AND FASHION**

WOVEN DESIGN & FABRIC MANUFACTURE

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 preparatory process which transfers the yarn from one form of package to another is a. Sizing b. warping c. winding d. Reeding	K1	CO1
	2	The suitable warping method used for manufacturing of denim fabric a. Speed warping b. Section warping c. Ball warping d. Draw Warping	K2	CO1
2	3	Name the device by which the shuttle on the hand loom is thrown through the shed of the loom by pulling the cord. a. Robblers b. Fly shuttle c. d. Treadles d. Back strap	K1	CO2
	4	Choose the loom which is used to make the ribbon and tapes a. Box loom b. Ribbon loom c. Needle loom d. Swivel loom	K2	CO2
3	5	Find the fabric defect which possess foreign matter or contamination like lint, waste is _____ a. Gout b. snarl c. sloughing d. Misdraws	K1	CO3
	6	Mention the shedding device placed on the top of a loom in order to produce figure patterns by using a larger no of healds are a. Leno weave b. Tappet weave c. Jacquard weave d. Dobby weave	K2	CO3
4	7	Name the plan indicates the number of heald shafts required to make a design and threading of warp through heald eyes is a. Design plan b. Draft plan c. Peg Plan d. Lifting plan	K1	CO4
	8	Select the number of harness required for an satin weave a. 6 b. 2 c. 3 d. 5	K2	CO4
5	9	Match the method of consolidating fiber webs with knitting elements with or without yarn to interlock the fibers. a. Thermal bonding b. Stitch bonding c. Needle Punching d. Web bonding	K1	CO5
	10	Fibers with a length of _____ are preferable for the dry-laid nonwoven process a. 12-100 nm b. 10-12 mm c. 20-400mm d. 15-20 mm	K2	CO5

Cont...

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.	Classify the types of winding packages used in the weaving process.	K2	CO1
	(OR)			
	11.b.	Summarise the different types of warping process.		
2	12.a.	Explain about the history of weaving with example	K3	CO2
	(OR)			
	12.b.	Differentiate the handloom and power loom.		
3	13.a.	Analyze the working principles of rapier loom.	K3	CO3
	(OR)			
	13.b.	Identify the different woven fabric defects.		
4	14.a.	Classify the basic weave structures with example.	K4	CO4
	(OR)			
	14.b.	Illustrate the honeycomb weave and give its applications.		
5	15.a.	Discuss the web bonding process of non- woven.	K4	CO5
	(OR)			
	15.b.	Examine the application areas of non woven fabric.		

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	What are the different sizing agents used to size the yarn during weaving process?	K4	CO1
2	17	Explain the different motions of looms and its importance in weaving.	K4	CO2
3	18	Illustrate and enumerate the working principles of dobby loom and jacquard loom.	K4	CO3
4	19	Discuss about the extra warp and extra weft figure with applications.	K4	CO4
5	20	Classify the non woven manufacturing techniques with examples.	K4	CO5

Z-Z-Z END