PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2025
(Fifth Semester)

Branch - COSTUME DESIGN AND FASHION

APPAREL MACHINERY AND EQUIPMENT

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	A manual spreading tool commonly used in garment production is a) Spreader machine b) End cutter c) Marker duplicator d) CAD system	K1	CO1
	2	Computer-aided marker making (CAD) helps in a) Marker duplication only b) Reducing fabric wastage and time c) Cutting and sewing garments d) Increasing fabric GSM	K2	CO1
2	3	The main function of a cutting machine in garment production is a) Stitching fabric layers b) Cutting fabric plies into garment components c) Spreading fabric layers d) Fusing interlining	K1	CO2
	4	Cutting drills are mainly used for a) Making notches and drill holes for markings b) Cutting fabric in layers c) Joining fabric pieces d) Removing extra fabric wastage	K2	CO2
3	5	The primary function of the presser foot in a sewing machine is a) To form stitches b) To hold the fabric firmly while sewing c) To cut threads automatically d) To wind the bobbin	K1	CO3
	6	A zipper foot, hemmer foot, and binder are examples of a) Primary parts b) Auxiliary parts c) Special attachments d) Shuttle mechanisms	K2	CO3
4	7	Which part of the sewing machine forms the lower thread loop? a) Needle b) Bobbin c) Shuttle hook d) Feed dog	K1	CO4
	8	The stitch length regulator controls a) Thickness of fabric b) Number of stitches per inch c) Size of the needle d) Speed of the motor	K2	CO4
5	9	The main purpose of pressing in garment production is a) Decoration b) Shaping and removing wrinkles c) Reducing fabric strength d) Color fixing	K1	CO5
	10	Permanent press finish is applied to garments for a) Easy care and crease resistance b) Strengthening fabric c) Reducing fabric weight d) Enhancing shine	K2	CO5

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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.	List the tools and equipment used in manual and semi-automatic spreading.	K2	CO1
		(OR)		
	11.b.	Define marker making. Analyze any two types of markers with examples.		
2	12.a.	Evaluate any two types of mechanical cutting machines and its function.	K4	CO2
		(OR)		
	12.b.	Compare the advantage of Die cutting and laser cutting machine.		
3	13.a.	Demonstrate the role of auxiliary parts in smooth sewing operations.	K3	CO3
		(OR)		
	13.b.	Differentiate between single needle and double needle sewing machines.		
4	14.a.	Examine the construction and function of a blind stitching machine.	K4	CO4
		(OR)		
	14.b.	Give a elaborate notes on: a) Bobbin winding mechanism b) Pressure regulators.		
5	15.a.	What are the types of packing materials used in the garment industry?	K3	CO5
		(OR)		
	15.b.	Discuss the purpose of fusing in garment making.		

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	Analyze the role of spreading and marker making in minimizing fabric wastage and improving production efficiency.	K4	CO1
2	17	Distinguish the working and applications of round knife and band knife cutting machines with neat sketches.	K4	CO2
3	18	Classify the sewing machines with neat sketches and explain its industry applications.	K4	CO3
4	19	Explain the problems in sewing machines, their causes, and preventive maintenance measures.	K4	CO4
5	20	Analyze the process of pleating and permanent press with their industrial applications.	K4	CO5

Z-Z-Z   END