

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2026
(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	Which type of spreading is used for fabrics with one-way designs? a) Stepped spread b) Face-to-face spread c) One-way face-up spread d) Zigzag spread	K1	CO1
	2	Which software is commonly used for computer-aided marker making? a) Photoshop b) CorelDraw c) Gerber Accu Mark d) MS Excel	K2	CO2
2	3	Die cutters work on the principle of: a) Rotating blade b) Hydraulic or mechanical pressure with a die c) Laser beam melting d) Plasma arc cutting	K2	CO2
	4	Which cutting machine is suitable for small-scale cutting and curves? a) Straight knife machine b) Band knife machine c) Round knife machine d) Laser cutting machine	K1	CO1
3	5	Which part of a sewing machine carries the lower thread? a) Needle bar b) Bobbin case c) Shuttle hook d) Presser foot	K1	CO1
	6	The feed dog in a sewing machine is used to: a) Move the needle up and down b) Move the fabric forward during stitching c) Adjust stitch width d) Hold the fabric tightly	K2	CO2
4	7	The component used to hold the bobbin is called: a) Bobbin winder b) Bobbin case c) Shuttle race d) Presser foot	K1	CO1
	8	Blind stitching machines are commonly used in: a) Denim garments b) Curtains and hems c) Buttonholes d) Embroidery	K2	CO2
5	9	The main purpose of fusing in garment production is: a) Joining two fabrics permanently with adhesive b) Removing wrinkles c) Shaping pleats d) Packing garments	K1	CO1
	10	Pleating is mainly done for: a) Temporary crease b) Decorative and functional design c) Folding for packing d) Removing wrinkles	K2	CO2

Cont...

Answer ALL questions

$$(5 \times 7 = 35)$$

Module No.	Question No.	Question	K Level	CO
1	11.a.	Examine the different types of spreading methods used in garment production.	K4	CO3
	(OR)			
	11.b.	Analyze the advantages of computer-aided marker making		
2	12.a.	Discuss the function of cutting machines in garment production.	K6	CO4
	(OR)			
	12.b.	Elaborate advantages and limitation of straight knife cutting machines		
3	13.a.	Determine the importance of feed mechanisms in sewing machines.	K5	CO3
	(OR)			
	13.b.	Explain the notes on: * Overlock machine * Flat lock machine * Special attachments		
4	14.a.	Examine the mechanism of needle, bobbin, and shuttle working together in lockstitch formation	K4	CO4
	(OR)			
	14.b.	List the common sewing machine troubles? Explain with their solutions		
5	15.a.	List the short notes on: a) Pleating b) Permanent press	K4	CO5
	(OR)			
	15.b.	Classify the different pressing equipment used in apparel production		

Answer **ANY THREE** questions

$$(3 \times 10 = 30)$$

Module No.	Question No.	Question	K Level	CO
1	16	Discuss in detail the types of spreads used in the apparel industry with neat sketches	K6	CO4
2	17	Determine the role of computerized cutting machines in improving efficiency and accuracy in garment industries.	K5	CO5
3	18	Explain in detail the primary and auxiliary parts of a sewing machine and their functions	K5	CO4
4	19	Elaborate the various specialty sewing machines used in the apparel industry with their applications	K6	CO4
5	20	Analyze the introduction, purpose, and types of fusing machines with neat sketches	K4	CO5