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UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2025.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.Sc., COSTUME DESIGN AND FASHION

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
III	PART - III	CORE – 5	U23CF303	TECHNOLOGY OF APPAREL MANUFACTURING

Date & Session: 07.11.2025/AN

Time : 3 hours

Maximum: 75 Marks

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer <u>ALL</u> Questions.
CO1	K1	1.	Marker efficiency is calculated to _____. a) Determine number of plies b) Reduce cutting time c) Minimize fabric wastage d) Increase marker length
CO1	K2	2.	_____ tool is commonly used in manual fabric spreading. a) Band knife b) Spreading trolley c) Air jet d) Scissors
CO2	K1	3.	_____ cutting machine is best for cutting small intricate curves. a) Band knife b) Straight knife c) Hand shear d) Round knife
CO2	K2	4.	Notches are used in cutting to _____. a) Add extra seam allowance b) Mark pressing points c) Create buttonholes d) Help in garment alignment during sewing
CO3	K1	5.	The overlock machine is mainly used for _____. a) Decorative embroidery b) Closing side seams c) Sewing buttonholes d) Neatening raw edges
CO3	K2	6.	Button fixing machines are designed to _____. a) Make buttonholes b) Create stitch decorations c) Attach buttons securely d) Sew zippers
CO4	K1	7.	Fusing is mainly used to _____. a) Bond interlining to fabric b) Stitch seams securely c) Cut fabric layers d) Add shine to the fabric
CO4	K2	8.	_____ method of embroidery is controlled by computerized software. a) Free-motion embroidery b) Tambour embroidery c) Manual satin stitch d) Computerized machine embroidery
CO5	K1	9.	_____ is a hand-held pressing tool. a) Band knife b) Steam tunnel c) Hand iron d) Heat press machine
CO5	K2	10.	Garment packaging serves _____ of the following purposes. a) Ensuring product protection and appeal b) Fabric dyeing c) Enhancing sewing quality d) Increasing weight
Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)
CO1	K3	11a.	Write the suitable tools and types of spreading method. (OR)
CO1	K3	11b.	Determine the methods of marking and the purpose of marker planning in fabric cutting.

CO2	K3	12a.	Predict the cutting technology objectives and cutting equipments. (OR)
CO2	K3	12b.	Write how computer-controlled cutting knives enhance precision and efficiency in the cutting process compared to manual methods.
CO3	K4	13a.	Assume the single needle lock stitch machines in terms of stitch structure, application, and production efficiency. (OR)
CO3	K4	13b.	Analyze the functional differences of overlock machine and explain how each contributes to seam quality and garment finish.
CO4	K4	14a.	Infer the functional free-motion machine embroidery and computerized machine embroidery design flexibility, production speed, and application. (OR)
CO4	K4	14b.	Dissect the various seam classes and explain how the choice of seam type affects the strength, appearance, and function of the final garment.
CO5	K5	15a.	Assess the suitability of various types of garment packing used in the finishing section based on garment type, market needs. (OR)
CO5	K5	15b.	Select the pressing and top pressing methods.

Course Outcome	Bloom's K-level	Q. No.	SECTION – C (5 X 8 = 40 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)
CO1	K3	16a.	Identify and explain different types of markers used in garment manufacturing. (OR)
CO1	K3	16b.	Write the efficiency of a marker plan and list the key requirements for effective marker planning in fabric cutting.
CO2	K4	17a.	Compare and contrast straight knife cutting machines and band knife cutting machines in terms of their applications, advantages, and limitations. (OR)
CO2	K4	17b.	Analyze the suitability of advanced cutting methods like laser cutting, water jet cutting, and ultrasonic cutting for different types of textile materials.
CO3	K4	18a.	Examine the roles of bar tacking and buttonhole-making machines in reinforcing and finishing garments, (OR)
CO3	K4	18b.	Evaluate the suitability of blind stitch machines for hemming operations in different types of garments.
CO4	K5	19a.	Appraise the effectiveness of different fusing methods in ensuring the durability and finish of garments, and recommend the most suitable material. (OR)
CO4	K5	19b.	Assess the importance of interlining requirements (e.g., compatibility, durability, care) in the fusing process.
CO5	K5	20a.	Interpret the effectiveness of different types of pressing equipment (hand irons, under pressing, and top pressing) in achieving professional garment finishes. (OR)
CO5	K5	20b.	Predict how pressing contributes to the final appearance and fit of garments, and justify the importance of choosing the correct pressing method for different fabric types.