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G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.



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
V	PART - III	CORE - 10	U23CF506	KNITTING TECHNOLOGY

Date & Session: 06.11.2025/FN

Time : 3 hours

Maximum: 75 Marks

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	Knitting is a process of fabric formation by _____. a) Interlacing yarns b) Interloping yarns c) Bonding fibers d) Fusing yarns
CO1	K2	2.	_____ type of knitting allows greater elasticity and is used for stretchable garments. a) Weaving b) Weft knitting c) Warp knitting d) Bonding
CO2	K1	3.	The most common warp knitting machines are _____. a) Circular and Flat b) Interlock and Rib c) Tricot and Raschel d) Jacquard and Rib
CO2	K2	4.	_____ is commonly used to make laces and nets. a) Tricot machine b) Raschel machine c) Circular machine d) Flat machine
CO3	K1	5.	The CAM system in knitting machines helps in _____. a) Dyeing b) Needle movement c) Yarn spinning d) Shearing the loops
CO3	K2	6.	_____ knitted structure has identical appearance on both sides. a) Rib b) Purl c) Interlock d) Jacquard
CO4	K1	7.	_____ is a defect caused by a broken needle. a) Drop stitch b) Uneven dyeing c) Pilling d) Shrinkage
CO4	K2	8.	Snagging is caused by _____. a) Improper twisting of yarn b) Sharp objects pulling the loops c) Yarn tension variation d) Dyeing process
CO5	K1	9.	Seamless knitting is commonly used in making _____. a) Carpets b) Suiting materials c) Underwear and socks d) Denim jeans
CO5	K2	10.	Smart textiles in knitting can have properties such as _____. a) Color fastness b) Weight reduction only c) Electrical conductivity d) None of the above
Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K4	11a.	Comparison between knitting and weaving. (OR)
CO1	K2	11b.	Summarize the advantages of knitting and weaving.

CO2	K3	12a.	Apply and explain the function of Tricot machine and its application. (OR)
CO2	K3	12b.	Describe the setup of a multi-bar machine applications, and its functions.
CO3	K4	13a.	Analyse the components of a CAM system and explain. (OR)
CO3	K4	13b.	Categorize the basic knitting elements and explain their functions in the knitting industry.
CO4	K4	14a.	Examine the impact of snagging on aesthetic and functional properties of knitted garments. (OR)
CO4	K4	14b.	Interpret the results from the inspection and testing of knitted fabrics to identify potential knitting defects and recommend corrective actions.
CO5	K5	15a.	Assess the role of seamless knitting technology in the development of functional and performance-based garments. (OR)
CO5	K5	15b.	Justify the integration of smart textiles in technical knitting applications.

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.	Write the importance of selecting the correct type of knitting needle for different machines. (OR)
CO1	K3	16b.	Construct the classification of knitting and describe the properties of knitted fabrics.
CO2	K4	17a.	How you would set up a single-bar machine and its function. (OR)
CO2	K4	17b.	Choose a suitable warp knitting machine, specify the type of threading, and describe its use in the production of nets, curtains, and elasticized fabrics.
CO3	K4	18a.	Infer the working of a circular knitting machine and explain its function. (OR)
CO3	K4	18b.	Assume the types of textures—plain, rib, purl, interlock, and jacquard—and describe each with examples.
CO4	K5	19a.	Interpret the causes of dropped stitches in knitted fabrics and suggest appropriate remedies to prevent them during production. (OR)
CO4	K5	19b.	Appraise the formation of loops and holes in knitted fabrics and determine how each affects fabric quality and performance.
CO5	K5	20a.	Evaluate the advantages and limitations of computerized knitting machines. (OR)
CO5	K5	20b.	Appraise the future trends in knitting technology and discuss their potential impact on mass customization and garment innovation.