

Comfort and Mechanical Properties of Cotton and Cotton Blended Knitted *Khadi* Fabrics

Suman Pant^{1*} and Rajkumari Jain²

*Clothing and Textiles, Faculty of Home Science, Banasthali University, Banasthali304022,
Rajasthan, India*

Mobile: 09352141493, E-mail: suman.pant18@gmail.com

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ABSTRACT Main aim of present study was to develop hosiery material for *khadi* cottage industry. Hand spun cotton and cotton: polyester yarns were utilized to construct knit fabric in manually operated knitting machine. Plain knit and rib knit fabrics (1x1, 2x2) were developed in flat bed cotton hosiery machine of 14 gauge 40 inch. Comfort and mechanical properties of knitted fabrics constructed from hand spun cotton and cotton: polyester yarns were tested by standard procedure. It was found that cotton knitted *khadi* fabric is more comfortable than cotton: polyester *khadi* knit with less pilling tendency. On the other hand, strength and abrasion resistance of cotton:polyester *khadi* fabric is better than cotton knit fabric.