

## COMPARATIVE STUDY OF PHYSICAL PROPERTIES OF COTTON, BAMBOO, VISCOSE AND MODAL UNION FABRIC FOR KIDS WEAR, WOMEN WEAR AND MEN WEAR

*Kavita*

*Assistant Professor Amity University, Gurugram, Haryana, India*

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### **ABSTRACT**

*The objectives of the present research work to develop the Union Fabrics for kids wear, Women's wear and Men's wear having the 100% Cotton (2/50) in warp and 100 % Bamboo (1/30), 100 % Modal (1/30), 100 % Viscose(1/30) and 100 % Cotton(1/30) in weft to improve physical properties of fabric in terms of GSM and Thickness of union fabrics with cotton yarn as warp and yarn from regenerated fibers (Viscose, Bamboo and Modal) as weft having properties similar or better than 100% cotton. Twill weave is used as fabric structure. GSM and Thickness of modal fabric was found best out of Bamboo, Viscose and Cotton union fabric.*

**KEYWORDS:** *GSM, Thickness, Cotton, Viscose, Bamboo, Modal, Shrinkage.*