Good Protection. The maximum UPF value was seen in navy blue dark dyed with UV finish TCNDDUV (38.2) which offers Very Good UV Protection.

It could be concluded that Bamboo Cotton and Tencel Cotton samples offers very good UV protection. The Bamboo Cotton samples offer better protection when compared with Tencel Cotton samples. Hence these fabrics will be best suited for summer wear and sports wear.

**Subjective Evaluation of T-Shirts**

Majority of the respondents rated the Bamboo Cotton and Tencel Cotton dyed and UV finished T-shirts as high in comfort, absorbency and cooling effects.

**CONCLUSION**

The risk posed by ultraviolet radiation has become more dangerous in recent years. The ultraviolet radiation has detrimental effects such as sunburn, skin cancer, photokeratitis and cataract. Sun protective clothing is an excellent sun protection measure as it provides a physical block that doesn’t wash or wear off and can protect the skin from ultraviolet radiation. The most promising market for UV protective textiles is mainly for childrens wear, casual wear for adolescents and sports wear.

The latest trends aim at improving the quality and technical aspects of the products to such an extent that they not only have a UV protection function, but also meet aesthetic requirements and guarantee adequate wear comfort for the respective end use. In future UV protective finish will become a compulsory finish that has to be given for all garments. Lot of potential exists to develop proper technology for making UV protective clothing from natural cellulosic fibres like Bamboo and Tencel, which can be used in summer due to its inherent properties. Further educational efforts are necessary to create awareness among people for the use of sun protective clothing.
LIMITATION OF THE STUDY

- Limited availability of testing equipments for measuring UPF of fabrics.

RECOMMENDATIONS

- The effect of different classes of dyes on UV Protection can be studied.
- Comparative study of commercial brands of UV absorbers can be done.
- Effect of selected UV absorbency on various blended fabrics can be studied.
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