

Textiles and Design

Section II (continued)

Question 13 — Properties and Performance of Textiles (10 marks) **Marks**

(a) (i) Identify a recent innovation in decorative techniques used in the production of textiles. 1

..... *Ink Jet printing*

(ii) Discuss the impact of this innovation for each of the following: 4

Consumer *Provides the consumer*
..... *with a more neat and a*

more bigger variety of the product.

.....
.....
Manufacturer *This provides the manufacturer*
..... *with a more consistent quality,*
..... *cheaper, less staff needed, and*
..... *quicker production.*

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Question 13 (continued)

- (b) (i) Name a recent innovation in fibre, yarn or fabric that enhances fabric performance. 1

~~Micro fibre~~ Gore-tex

- (ii) Describe the innovation named and explain how it enhances the performance of a fabric. 4

Gore-Tex, produced by the Gore family is made up of a very versatile polymer called Polytetrafluoroethylene (PTFE). It is added to the fabric to ensure safety and warmth. It helps to enhance the performance of a fabric due to its excellent durability and the ability to allow warmth in and still allow perspiration to escape. Gore-Tex is used in jumpers, clothing for cold weather, ~~and~~ sleeping bags.

End of Question 13