

Textiles and Design

Section II (continued)

Marks

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

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

heat transfer printing.

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

Consumer ...

The Consumer is able to purchase a precise design on garments such as T-shirts. A range of colours are available. The design choices are endless.

The Consumer may also purchase a range of garments that have adopted the use of heat transfer printing. may prove to be expensive as dyes are expensive. Shadowing effects may be developed.

Manufacturer

Manufacturer may use it in conjunction with Computer aided design systems (CAD), if efficient + effective, as it is fully automated or can be operated manually. do not have to handle dye + substrate, reduce labour

costs, may mean dyes + inks used are harmful to environment, inks + dyes may prove to be expensive.

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Question 13 (continued)

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

Cool max - four channelled fibre system

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

Cool max the four channelled fibre system, made of polyester is designed to move perspiration away from the body. The perspiration is moved quickly to surface of fabric + is evaporated. This gives body more energy + endurance as vigorous activities are carried out. The fibre innovation means the fabric may be worn as an insulator, as it is ~~an~~ an insulator too. The fabric may be implemented for leisure wear, bras, gym wear such as singlets + stretch garments. The fabric is also easy care + dries at a fast rate. Care must be taken if garments are cut on bias. The fabric ~~is~~ has superior moisture management characteristics and is ideal to increase body's endurance + energy levels as in demand.

End of Question 13