

Textiles and Design

Section II (continued)

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

(a) (i) Identify a recent innovation in <sup>new idea</sup> decorative techniques used in the <sup>making</sup> production of textiles. 1

..... CAD - computer aided design.

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

Consumer ..... It allow cheaper clothing to be available. Quality is consistent allowing value for the consumer.

More variety of clothing in a shorter amount of time.

Manufacturer ..... efficiency, lower production costs. Accuracy means less wastage.

Consistent quality, reputable company, the products will be bought.

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## Question 13 (continued)

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

~~Cortex~~ ~~Phoban~~ Lycocell

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

Phoban, It an regenerated fibre like Rayon, made from cellulose & wood pulp. Lycocell is much stronger than rayon as it has more strength when wet <sup>than</sup> ~~rayon~~ <sup>which</sup> weakens in water. It allows lustre to be present or even dulled down [purpose-made]. It is much cheaper to produce. Lycocell is an improvement in man-made fibres, ~~More breathable than rayon~~ Breathable fabric (wearer comfort). It is also smoother, thinner fabric that can be created. [light weight]. & It is also more pliable & quick-drying.

End of Question 13