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

(a) Outline the process of digital printing.

2

An image/design is made using a computer. The garment is then printed directly onto from an inkjet printer.

(b) What are the advantages and disadvantages of using digital printing in fabric design?

3

Advantages:
Products consistent design can be printed multiple times with a very wide range of colours.
Disadvantages: hard to mass produce as it is time costly.

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Question 13 (continued)

- (c) How have the characteristics of washable webs led to a greater variety of products being available? 5

Washable webs have many different end uses. The variety of fibres within the web (non-woven) accommodates many different properties. Alterations can change the end use ~~from~~ by changing the proportion of each fibre. eg. More cotton/^{wool} would be needed for absorbency such as sanitary ~~to~~ and hygiene products. Synthetics would be used for more functional, practical products such as climbing shoes (Gore-tex technology). They also provide cleaning cloths, disposable hospital safety covers and more.

End of Question 13