

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

(a) Outline the process of digital printing.

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1. A design is created on the computer using a program.
2. The design is then printed via a laser onto large ~~sheets~~ rolls of fabric.

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

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Advantages: cost effective, time-efficient environmentally friendly because there are no chemicals/dyes used or ~~used~~ a ~~lot~~ of water.
Any design can be printed.
Disadvantages: High cost of laser printers, less need for skilled workers.

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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 are strong, reusable, washable, durable, breathable, absorbant and don't fray. Because of these characteristics a greater variety of textile products has been created.

Eg. medical textiles, washable webs are used to create masks, scrubs, hair nets and feet covers.

These items are all essential for medical textiles and washable webs are appropriate because they're breathable, light and absorbant.

they are also used in items such as babies nappies because they're soft and absorbant.

End of Question 13