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

(a) Outline the process of digital printing.

2

A design is designed on a computer. Hence it can then be printed in two ways, the first being directly, in which the design is directly printed onto the fabric, and secondly it can be printed using a medium such as digital transfer paper.

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

3

An advantage is the time it takes to print. It is very time efficient. It also does not have a limit of colours, and if using direct printing, you can print as large as your printer can go. Disadvantages are the amount of fabric wasted around the design, the limit in size if using a paper medium and limit in size of printer. A disadvantage is also the cost of using one or the initial cost of purchasing all required equipment.

Question 13 continues on page 10

Question 13 (continued)

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

The characteristics of washable webs being durability, abrasion resistant and they do not fray have lead to ~~the~~ the creation of many products. ~~Some~~ ~~are~~ ~~used~~ used in many areas. The creation of non-wovens has lead to the creation of tea bags which have been a convenient product often underestimated the durability assists the tea bag of being able to withstand the near 100°C heat it is placed in. All three characteristics listed above have ~~also~~ also lead to products such as environmentally friendly shopping bags which address the issue of the environment. ~~The non-wovens are also used to create prostheses and equipment.~~ Non-wovens are made from recycled products making them very cheap to produce, ~~hence~~ therefore allowing the creation of more products which will be used and are desired by consumers eg. environmentally friendly shopping bags.

End of Question 13