

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

- (a) Outline the process of digital printing. 2

The fabric is pre-washed to prevent shrinkage. A design is processed on the computer and printed on transfer paper using a HP printer or inkjet ^{technology}. It is then transferred to fabric, right sides together via pressure and heat from an iron with baking paper.

- (b) What are the advantages and disadvantages of using digital printing in fabric design? 3

The advantages include it is quick and easy, can be processed at home through a HP printer, photographic imagery. Transfer paper available at large outlets such as B.I.G.W.
Disadvantages include - error can be made such as uneven application, over heating or burning. It is expensive \$5 per A4 sheet of transfer paper.

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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

A washable web is a fabric processed through non-woven source. It forms a product that is lightweight, absorbent, disposable, withstand washing and good dimension stability. It has resulted in the creation of widely products such as nappies, tee bag coverings, medical use and chef cloths. It is a product that is durable against use and cleaning advancing environmentally & hygienically. Its structure attracts dust particles and traps it within the fibres forming cleaning products. It is of high resilience and is crease resistant.

End of Question 13