Textiles and Design

Section II (continued)

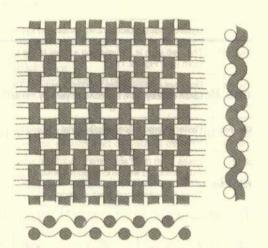
Que	stion 13 — Properties and Performance of Textiles (10 marks)	Marks
(a)	Explain how a finishing technique can be used to enhance fabric performance for a specific end-use.	2
	Finishing techniques can be used to enhan	ice
	forbric performance. Finishes such as	
	water-nesistant and fite retardant on	el
	many others allow the fabrics to look	
	and last longer by preventing their	
(b)	Explain the impact ONE technological advance in machinery has had on the production of textiles.	2
	The electronic serving machine has	
	allowed the production of textiles	
	tu not any be better qualify but	
	also reduces time and inturn redu	
	the cost of production	

Question 13 continues on page 10

2

3

(c) Identify the fabric structure in the diagram. Explain why it is an appropriate structure for a cotton hat.



The fabric structure in the diagram is plain weave This is appropriate for a cotion hat as it alrows it to be absorbant, comfortable, and has some of earl

- (d) (i) Identify a specific end-use that requires excellent abrasion resistance in a fabric.
 - (ii) Describe how the fabric structure, yarn structure and fibre content optimise abrasion resistance.

The fator townell townel has a loop pile It is made from 100% cotton with a 65% crystalline 35% amporous structure with which allows it to be strong and resist abrasson

End of Question 13