

Textiles and Design

Section II (continued)

Marks

Question 12 — Design (10 marks)

- (a) Distinguish between functional and aesthetic design.

2

Functional design is the design of a product for a particular purpose, the function is what it does, designers ask, does it work, is it suitable for the end use? Aesthetic design is the way it looks, its appearance. Is it pleasing to the eye?

- (b) (i) Identify ONE of the principles used in textile dyeing.

1

Size — the size of the patterns may vary.

- (ii) Describe and evaluate how an experiment you have conducted demonstrated this textile dyeing principle.

3

When dyeing, I filled a bucket with dye and water solution. To get the desired pattern on the material, I tightly tied elastic bands around the chosen part of the material. To alter the size of the pattern, I ~~could~~ controlled how much material was taken in by the elastic band. The bigger the ~~band~~ section I got, the bigger the pattern turned out to be. Less fabric, = ~~less~~ smaller pattern.

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## Question 12 (continued)

- (c) Identify and describe a process of applying colour to textiles used by a culture of your choice. 4

Culture Japanese

Process Block printing.

In ancient times, the Japanese would add colour to their traditional kimonos, by block printing. The Japanese would carve a picture, or pattern onto a natural object, such as wood, or bamboo, and dip that into a dye, usually natural made. The colours were extracted from plants, and made into dyes. They would then press that block on to the material, and continue, until the desired pattern was created.

**End of Question 12**