

Textiles and Design

Section II (continued)

Marks

Question 12 — Design (10 marks)

- (a) Distinguish between functional and aesthetic design. 2

Functional Design is a design choice made for functional and useful properties of the overall design, whereas aesthetic design is chosen mainly ~~for visual, tactile,~~ ~~is~~ for visual, and tactile decorative ~~also~~ features.

- (b) (i) Identify ONE of the principles used in textile dyeing. 1

energy in the dye liquor helps to fuse the fibre polymer with the dye molecule.

- (ii) Describe and evaluate how an experiment you have conducted demonstrated this textile dyeing principle. 3

As an experiment, I attempted to dye calico in cold water and dye. I then attempted to dye calico in heated, slightly boiling water and dye. The colour was more vivid in the one dyed with heated water. I then dyed another piece of calico in heated water, dye and salt, and heated water, dye and mordant. I found that the calico dyed with mordant and heated water produced the best results, with the most bright & vivid colour, and the most colour fastness.

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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 Indonesia - Batik

Process It is a tradition for the Javanese women to sit around a central vat full of wax. They sit with their fabrics over frames, and dip their canting, a wooden pencil, into the wax, and then create and draw designs onto their fabric. The canting, like a quill pen, is continuously dipped into the vat, replenish the wax in the canting until they have finished their designs over the fabric.

Men, then dyed the fabrics (as it was a taboo for women to dye), watching the beautiful patterns on the fabric come alive. The patterns would appear as the wax, resists the dye, creating a unique and beautiful design.

Colours such as deep indigo blue, browns, and white cloths were used.

End of Question 12

as they were meant to represent the 3 gods of Hindu. Vishna, Shiva, and mithra.