

Q 9342

B.Sc. DEGREE EXAMINATION, MAY/JUNE 2006.

Fifth Semester

Apparel and Fashion Technology

BFT 001 — ECO FRIENDLY DYES AND CHEMICALS

(Regulations 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Briefly outline the German Legislation on banned dyes and chemicals.
2. What is the effect of azo dyes on human skin?
3. Enlist different chromatographic techniques used in the analysis of dyes.
4. What do you mean by AOX?
5. Which finishing chemicals are primarily responsible for the development of contact allergy in the Wearer's skin?
6. Outline the different tests carried out to determine eco-friendliness of dyes and chemicals.
7. How do you assess the eco-friendliness of dry cleaning agents?
8. Enlist the harmful solvents used in textile processing.
9. Outline the factors to be considered by dye manufacturers in producing environment friendly dyes.
10. Suggest few finishes alternative to formaldehyde finish.

PART B — (5 × 16 = 80 marks)

11. (i) Write a detailed note on guidelines to dye manufacturers for producing eco-friendly dyes. (10)
- (ii) Explain the factors to be considered by auxiliary chemical manufacturers for producing environment friendly chemicals. (6)
12. (a) Write on the constitution of dyes and finishing chemicals with reference to eco-friendliness.

Or

- (b) Give a detailed note on banned dyes.
13. (a) Explain the different alternative dyes and chemicals used in textile processing, in place of harmful ones.

Or

- (b) Write in detail about any two chromatographic techniques used to analyse dyes.
14. (a) Give an account of Formaldehyde free finishes applied on textiles.

Or

- (b) Give a detailed note on norms stipulated for different finish chemicals as per Indian Eco standards.
15. (a) Write in detail, about different bleaching agents and solvents used in textiles with allowable limits.

Or

- (b) Write short notes on :
- (i) Eco-friendly dry cleaning agents (8)
- (ii) Harmful pigments. (8)