

**E 9253**

B.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Fifth Semester

*Elective*

Apparel and Fashion Technology

BFT 001 — ECO FRIENDLY DYES AND CHEMICALS

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Outline the importance of German legislation on chemicals and dyes.
2. List out the banned dyes which are otherwise normally used in textile chemical processing industry.
3. What do you mean by gas chromatography?
4. Suggest alternative dyes for azoic and sulphur dyes.
5. State the importance of eco-friendly finish chemicals.
6. Briefly write about banned finishing chemicals.
7. Outline the safe dry cleaning agents used in industry.
8. Briefly write about eco-friendly solvents used in textile industry.
9. Mention about the broad guidelines suggested to dyestuff manufacturers for producing safer dyes.
10. What are the safety norms to be followed by dye-auxiliary chemical manufacturers?

PART B — (5 × 16 = 80 marks)

11. (i) Write about constitution of dyes and finishing agents in detail. (10)  
(ii) Explain about the harmful effects of azo dyes and benzidine dyes briefly. (6)

12. (a) Write about different chromatographic techniques in detail.

Or

(b) Explain about alternative dyes and chemicals used in place of harmful ones.

13. (a) Give a detailed note on eco-friendly finishes.

Or

(b) Write about banned finishing chemicals and their allowable dosages.

14. (a) Write about safer bleaching agents and pigments used in textile industry.

Or

(b) Give a detailed note on harmless dry cleaning agents and solvents used in dry cleaning industries.

15. (a) Write about the guidelines to be followed by dyestuff manufacturer for producing safer dyes.

Or

(b) Explain about the safety norms to be adopted by dye-auxillary chemical manufacturer.