

Reg. No. : 

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**T 3291**

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2008.

Fourth Semester

Textile Technology (Fashion Technology)

FT 1255 — DYEING, PRINTING AND POLLUTION CONTROL/CHEMICAL  
PROCESSING OF TEXTILE AND GARMENTS

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Which bleaching agent yields permanent whiteness and why?
2. What is the material liquor ratio for jigger dyeing.
3. Why is sodium chloride added to dye bath?
4. How do you dye garments?
5. What is transfer printing?
6. What is batik printing?
7. What do you mean by acid wash finish?
8. How do you impart wrinkle free finish on garments?
9. What do you mean by Dissolved oxygen?
10. What are primary effluent treatment techniques?

**PART B — (5 × 16 = 80 marks)**

11. (a) Compare peroxide bleaching and hypochlorite bleaching of cotton.

Or

- (b) Give a detailed note on calendaring of textile goods.

12. (a) Explain about dyeing of cotton using reactive dyes and vat dyes with suitable recipes. (8 + 8)

Or

- (b) Describe the working of jet dyeing machine and relax dryer with suitable sketches. (8 + 8)

13. (a) Write about the working of automatic rotary screen printing machine with a neat sketch.

Or

- (b) Give a detailed note on screen making and printing of knitted goods. (8 + 8)

14. (a) Write about enzyme wash finish and stone wash finish in detail. (8 + 8)

Or

- (b) How do you apply peach finish and salt and pepper finish on garments? Explain. (8 + 8)

15. (a) Elaborate on secondary effluent treatment techniques employed in textile processing industry.

Or

- (b) Write about :

(i) Green house effect (8)

(ii) Sludge disposal. (8)