

L 1105

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2006.

Fourth Semester

Textile Technology (Fashion Technology)

FT 1255 -- DYEING, PRINTING AND POLLUTION CONTROL

(Regulation 2004)

Time : Three hours

Maximum : 100 marks.

Answer ALL questions.

PART A -- (10 × 2 = 20 marks)

1. State the advantages of Hydrogen peroxide bleaching.
2. State the objectives of calendering.
3. What is the function of balloon padder?
4. How do you dye polyester/cotton blended fabrics?
5. State the advantages of rotary screen printing machine.
6. What is colour discharge effect?
7. Outline the features of stonewash finish.
8. What do you mean by sandblasting technique?
9. Enlist different primary effluent treatment techniques.
10. What do you understand by BOD?

PART B — (5 × 16 = 80 marks)

11. (i) Write in detail about water pollution caused by textile processing industries. (10)
- (ii) Give a note on air pollution by textile industries. (6)
12. (a) Explain about bleaching of cotton using peroxide and hypochlorites with suitable recipes.

Or

- (b) Write short notes on :
- (i) Jigger dyeing (8)
- (ii) Calendering. (8)
13. (a) Describe the working of soft flow dyeing machine with a neat sketch.

Or

- (b) Give a detailed note on garment dyeing machines.
14. (a) Explain about :
- (i) Flat bed screen printing (8)
- (ii) Screen preparation. (8)

Or

- (b) Explain about working of printing machines suitable for knitted goods.
15. (a) Write about denim finishing in detail.

Or

- (b) Explain about
- (i) Wrinkle free finish (8)
- (ii) Peach finish. (8)