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**Q 2521**

B.E/B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2007.

Sixth Semester

Textile Technology

TT 342 — CHEMICAL PROCESSING OF TEXTILE MATERIALS — II

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Name the different types of dye fibre interaction?
2. What is shade%?
3. Give the different styles of printing.
4. What are the ingredients in print paste?
5. How is crease proof finish evaluated?
6. What is felting?
7. Define  $\Delta E$ .
8. What is whiteness index?
9. What are the problems associated with knit processing?
10. What is the objective of stone washing?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the various adsorption isotherms.

Or

- (b) Enumerate how direct dye is applied to the cotton fabrics.

12. (a) Describe the constituents of print paste formulation.

Or

(b) Explain the printing of polyester using sublimation transfer printing.

13. (a) Bring out in detail the crease proofing of cotton fabrics based on non-formaldehyde based crease proofing agents.

Or

(b) Elaborate how finishing is done using calendars.

14. (a) Enumerate in detail the evaluation of wash and light fastness of fabrics.

Or

(b) Enumerate in detail the evaluation of print paste formulations.

15. (a) Write short notes on :

(i) Garment dyeing.

(ii) Water repellent finish.

Or

(b) Write short notes on :

(i) Soil release finishes.

(ii) Garment washing.