

TEXTILE CHEMICAL PROCESSING - II

(Code : TXT-404)

Full Marks : 80

Time : 3 hours

Answer any five questions including Q. Nos. 1 & 2  
Figures in the right-hand margin indicate marks

1. Answer all questions : 2 × 10
- (a) What is Cationic dyeable PET ?
  - (b) State the importance of Tg in case of Polyester dyeing.
  - (c) What type of bond is formed in between acid dye and nylon during dyeing ?
  - (d) State the significance of heat setting.
  - (e) State the function of migration inhibitor in a continuous dyeing process of PET fabric. <http://www.sctevtonline.com>
  - (f) Justify that "Sodium Alginate is used as thickener in reactive printing".
  - (g) State the condition of caustisization process of cotton.
  - (h) Justify that "Hydros is not used as reducing agent in case of Vat printing".
  - (i) What is B.A.N ?
  - (j) What is Zero-Zero finish ?
2. Answer all questions : 5 × 6
- (a) Describe the carbonization process of wool.
  - (b) Describe the mooth proof finish of wool.
  - (c) Describe dyeing process of acrylic fibre with basic dye.
  - (d) State any process of Screen manufacturing.
  - (e) Describe transfer printing.
  - (f) Describe softening finish.
3. Describe HT and HP process of dyeing of polyester with proper sketch and recipe. 10
4. State the function and example of printing ingredients. 10
5. Describe different Calendaring process with proper sketch. 10
6. State the condition of mercerization and briefly describe the continuous mercerization of bleached cotton fabric with proper sketch. 10
7. Describe the working principle of Roller printing M/C. 10

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