



SF-7207

B. E. III (Sem. VI) (T.T.) Examination

May / June - 2011

Textile Processing - III

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृशावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी.
Fillup strictly the details of signs on your answer book.

Seat No. :

Name of the Examination :

Name of the Subject :

Subject Code No. : Section No. (1, 2,.....) :

Student's Signature

(2) Figures to the right indicate full marks.

- 1 (a) Answer the following objective questions : **10**
- (i) Why resist salt is not used in nylon printing ?
 - (ii) Name the thickener most commonly used for printing of polyester.
 - (iii) Why a mild oxidizing agent is incorporated in polyester printing ?
 - (iv) Write any two name of discharging agents.
 - (v) What is the function of sodium chlorate in nylon printing ?
 - (vi) Give any two names of acid liberating agents.
 - (vii) Give fixation condition for High pressure steaming fixation of Polyester printing.
 - (viii) Reduction clearing treatment is necessary for _____ fibre.
 - (ix) What is Ekaline FI ?
 - (x) What is the function of urea in polyester printing ?
- (b) Describe white and colour discharge printing of polyester in detail. **10**
- 2 (a) Explain the process for direct printing of nylon fabric with two major classes of dyes. **10**
- (b) Discuss direct style of printing of CDPET. **5**

OR

- 2 Explain printing of wool with different classes of dyes in detail. 15
- 3 Write short notes on any **three** of the following : 15
- (a) Stenters
 - (b) Cationic softeners
 - (c) Flame retardancy
 - (d) DP finish.
- 4 (a) Answer the following objective questions : 10
- (i) Give the chemical structure of Lubrol W.
 - (ii) Give an example of cationic softener.
 - (iii) Give the full name of APO.
 - (iv) Give any two advantages of cationic softeners.
 - (v) Polyethylene emulsion is a non ionic softener. True or False.
 - (vi) Who invented the Sanforising finish ?
 - (vii) Enlist any two trade name of nonionic softeners.
 - (viii) Give the chemical structure of SAFAMINE A.
 - (ix) Give the chemical structure of TRITAN K.
 - (x) Give the full name of DMDHEU.
- (b) Describe Potting and decatizing in detail. 10
- 5 (a) What is calendaring ? Explain any two calendar in detail with neat sketch. 10
- (b) Describe Buti dryer with neat sketch. 5
- OR**
- 5 Explain various Mechanisms of Soiling. Describe soil release finish in detail. 15
- 6 Write short notes on any three of the following : 15
- (a) Sanforising
 - (b) Grease Milling
 - (c) Water proofing
 - (d) Festoon dryer.
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